

Canon

S820D

Photo Printer

Quick Start Guide

Quick Start Guide

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Getting Help from Canon

Help Us Help You Better

Before you contact Canon, please record the following information.

Serial Number (located on the inside of the printer): _____

Model Number (located on the front of the printer): _____

Printer Driver CD-ROM number (located on the CD-ROM): _____

Purchase Date: _____

Customer Technical Support*

Internet

For electronic technical support, the latest driver downloads and answers to frequently asked questions (**www.canontechsupport.com**).

Automated Tech Support

24-hour, 7-day-a-week automated support for troubleshooting issues on most current products (**1-800-423-2366**).

Live Tech Support

To speak with a technician regarding your product, please see the “Troubleshooting” section in this Quick Start Guide for details.

Facsimile

24-hour, Fax-On-Demand System for product specifications and technical information (**1-800-526-4345**).

Extended Warranty

For information about extending your Canon service and support up to an additional two years, call **1-800-385-2155**, or visit our Web site at **www.canonesp.com** (within 90 days from the date you purchased your Canon peripheral).

Ordering Information

For additional supplies, use the following descriptions and order numbers.

Description	Order #
Ink Tanks	
BCI-6Bk Black	4705A003
BCI-6PC Photo Cyan	4709A003
BCI-6PM Photo Magenta	4710A003
BCI-6C Cyan	4706A003
BCI-6M Magenta	4707A003
BCI-6Y Yellow	4708A003
Canon Specialty Papers	
Banner Paper (continuous/50 sheets)	1049A003
Brilliant White Paper (8.5" x 11"/250 sheets)	CST-6217-000
Brilliant White Paper (8.5" x 11"/500 sheets)	CST-6160-000
Glossy Photo Cards (4" x 6"/20 sheets)	1032A002
Glossy Photo Paper (8.5" x 11"/20 sheets)	1026A009
High Gloss Photo Film (8.5" x 11"/10 sheets)	1041A005
High Resolution Paper (8.5" x 11"/100 sheets)	1033A011
Magnet Sheets (8.5" x 11"/3 sheets)	CST-6322-000
Photo Paper Pro (4" x 6"/20 sheets)	5699A005
Photo Paper Pro for Borderless Printing (4" x 6"/20 sheets)	1029A014
Photo Paper Pro (8.5" x 11"/15 sheets)	1029A004
Transparencies (8.5" x 11"/50 sheets)	1043A004
T-shirt Transfers (8.5" x 11"/10 sheets)	CST-6178-000
T-shirt Transfers (8.5" x 11"/250 sheets)	CST-6044-000

To purchase genuine Canon Inks and Specialty Paper, call **1-800-OK-CANON** to locate a dealer near you, or visit the Canon eStore at <http://estore.usa.canon.com>.



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Canon S820D Photo Printer Quick Start Guide.

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Disclaimer

Canon U.S.A., Inc. has reviewed this manual thoroughly in order that it will be an easy-to-use guide to your Canon S820D Photo Printer. All statements, technical information and recommendations in this manual and in any guides or related documents are believed reliable, but the accuracy and completeness thereof are not guaranteed or warranted, and they are not intended to be, nor should they be understood to be, representation or warranties concerning the products described.

Specifications are subject to change without notice.



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Chapter 1: Basic Printing

Congratulations on purchasing your new Canon® S820D Photo Printer!

This chapter describes basic features of your S820D photo printer and provides instructions on how to set up and print documents and photographs.

The following topics are presented in this chapter:

- What Is a Printer Driver?
- Selecting the S820D Photo Printer for Use
- Printing Photographs
- Using Specialty Media
- Cancelling a Print Job
- Setting Driver Options
- Changing the Page Setup



- This Quick Start Guide describes some of the features of your S820D photo printer and how to use them. For more detailed information, view and/or print the *S820D User's Guide* on the Setup Software & User's Guide CD-ROM.
- Driver features and screen captures described in this guide may be and/or look different for Windows® 2000 and Windows XP.

What Is a Printer Driver?

Most computers require special software to link the programs you use to create documents or images with the printer. This special software, called a *printer driver*, converts the information from the software application into a format that the printer can understand, and provides other handy features, such as monitoring the levels of ink in the printer.

Selecting the S820D Photo Printer for Use

If the S820D is the only printer connected to your computer, it will automatically be used every time you print. However, if your computer has access to multiple printers, you can set the S820D as the default (main) printer. In Windows®, you can also select a printer for one-time use within an application.



To set the S820D as the default printer in Windows®:

1. Click **Start**, then **Settings**, then **Printers**.



Note

Windows XP users: Click **Start**, select **Control Panel**, then **Printers and Other Hardware**, then **Printers and Faxes**.

2. Right-click the **Canon S820D** printer icon, then click **Set as Default**. The Canon S820D printer icon will now display with a check mark that indicates it is the default printer.



To select the S820D from within a Windows application:

For Windows users, if another printer is set as the default printer, you can still select the Canon S820D for a specific print job from within most applications.



Note

Menus vary from application to application. Consult your application user documentation if the Printer Setup menu option is not listed.

1. From the **File** menu, click **Print**.
2. Select **Canon S820D** from the Name drop-down list, then click **OK**.



To select the S820D in Mac® OS:

1. Click **Apple**, then **Chooser**.
2. Click the **S820D** printer icon. The S820D will remain the default printer until another is selected.

Printing Photographs

Canon Photo Paper Pro is recommended for highest quality results. See “Using Specialty Media” on page 4 for more information.

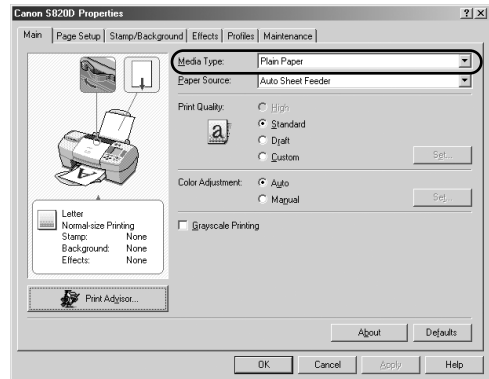


To print photographs from a Windows application:

1. Load the printer with specialty media. See “Using Specialty Media” on page 4 to learn how to load various media types.
2. Open the digital photograph to be printed in a software application.
3. From the software application **File** menu, select **Print**, then **Properties**.

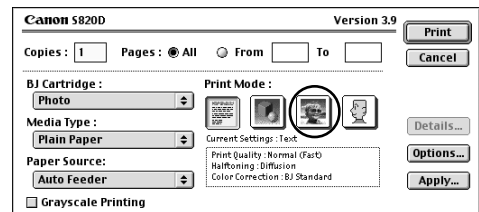
The Canon S820D Properties dialog box will appear.

4. On the **Main** tab, select the appropriate media type, and the print quality will automatically change to the appropriate quality.
5. Click **OK** to close the dialog box.
6. Click **OK** again to print your digital photograph.



To print photographs from a Mac OS application:

1. Load the printer with specialty media. See “Using Specialty Media” on page 4 to learn how to load various media types.
2. Open your digital photograph to be printed in a software application.
3. From the software application **File** menu, select **Print**. The Canon S820D print dialog will appear.
4. Select **Photo** as the print mode, then select the appropriate media type.
5. Click **Print** to print your digital photograph.



Caring for Your Photographs

The Canon S820D photo printer will generate spectacular results for printing photographs, especially when used with Canon specialty media. All images are susceptible to fading over time, but proper care of prints made from your S820D photo printer will ensure that print quality lasts long into the future.

Many environmental factors can impact how long a printout will last before noticeable image fading occurs. Exposure to sunlight or other light sources, humidity, temperature, exposure to cigarette smoke and ozone are just some of the factors that can impact image permanence. While many of these variables cannot be controlled, there are basic measures that you can take to prolong image quality:

- Use Canon Photo Paper Pro and genuine Canon inks. Canon Photo Paper Pro is available in both letter size (8 1/2" x 11") and photo size (4" x 6"). Canon Photo Paper Pro for Borderless Printing is available in photo size (4" x 6"). Both papers are specifically designed to work with genuine Canon inks.
- Mount images under glass to reduce exposure to ozone, cigarette smoke and other environmental factors that can degrade images.
- Keep printed images out of direct sunlight or other intense light sources.

Using Specialty Media

For optimal results, Canon recommends that you use genuine Canon media with your S820D photo printer. Be sure to follow all instructions on storing, handling and printing on the media.

For General Printing

For everyday paper printing, use Canon Brilliant White Paper, Canon High Resolution Paper, or plain paper (17 to 28 lb.).

Use standard #10 envelopes with your S820D photo printer.

For Quality Image Printing

Canon Photo Paper Pro: Thick paper coated with a glossy surface. Ideal for reproducing the natural color of photographic images, this is the best choice for printing photographs with the S820D.

Canon High Gloss Photo Film: A film sheet with a higher gloss than Canon Glossy Photo Paper. Use this media to obtain high quality reproduction of photo color or to reproduce photographic images of highly reflective surfaces, like metal or glass.

Canon Glossy Photo Paper: Covered with a glossy coating on the print side of the sheet to provide near-photographic quality with the gloss feel of a photographic print. This media is slightly heavier than Canon High Resolution Paper.

Canon High Resolution Paper: Coated paper that produces more vivid color than plain paper. Ideal for printing business documents that include large numbers of color illustrations and graphs.

Canon Photo Paper Pro (4" x 6"): A 4" x 6" size of the same stock as Canon Photo Paper Pro. Print over the perforated borders then remove the borders to trim away white margins.

Canon Photo Paper Pro for Borderless Printing (4" x 6"): A 4" x 6" size of the same stock as Canon Photo Paper Pro, this paper is intended for printing images that cover the entire surface of the card without a white border.

Canon Glossy Photo Cards (4" x 6"): A 4" x 6" size of the same paper stock as Canon Glossy Photo Paper. Print over the perforated borders, then remove the borders to trim away unwanted white margins. Use this media when you want to print an image over the entire card.

For Creative Media

Canon T-Shirt Transfers: Easy-to-use T-Shirt Transfers can be ironed on to cotton or cotton/poly blend fabric. You can personalize T-Shirts or even create team uniforms.

Canon Magnet Sheets: Canon Magnet Sheets turn your personalized messages and images into unique magnets in seconds. Create a fun, useful magnet using images, photos and text.

Canon Transparencies: Use to prepare presentations for an overhead projector. Never attempt to use photocopier or laser printer OHP film with the S820D.

Canon Banner Paper: Allows you to print on up to six connected sheets of letter-size paper to create party or advertising banners.



Note

For instructions on loading these creative media, see "Loading Media into the S820D" on page 7 or see the *S820D User's Guide* on the Setup Software & User's Guide CD-ROM.

Media to Avoid

Never load the following types of media into your S820D photo printer. These media could produce poor quality and jam or damage the printer:

- Folded paper
- Excessively curled or wrinkled paper
- Damp paper
- Excessively thin paper
- Excessively thick paper
- Paper with adhered photos, stickers, etc.
- Envelopes with an embossed or treated surface
- 3-hole punched paper
- Paper with any type of attached fasteners, ribbons, etc.














Printing on Thick Paper

Paper Thickness

Keep these points in mind when selecting media for your S820D photo printer.

Feed Method	Thickness Range	Comment
Automatic	17 – 65 lb.	Load plain paper or other media that is within this thickness range.

Load Limit and Paper Thickness Lever Position

Media Type	Sheet Feeder Load Limit	Paper Thickness Lever Position
Plain paper	100 sheets (17 lb.)	Left 
Photo Paper Pro	1 sheet	Left 
High Gloss Photo Film	1 sheet	Left 
Glossy Photo Paper	1 sheet	Left 
High Resolution Paper	80 sheets	Left 
Photo Paper Pro 4" x 6"	20 sheets	Left 
Photo Paper Pro for Borderless Printing 4" x 6"	20 sheets	Left 
Glossy Photo Cards	20 sheets	Left 
Transparencies	30 sheets	Left 
Banner Paper	1 sheet (can print up to 6 connected sheets)	Right 
T-Shirt Transfer	1 sheet	Right 
#10 Envelopes	10 envelope	Right 
Magnet Sheets	1 sheet	Right 

Loading Media into the S820D

Follow these instructions and tips for loading media into the printer.

- To prevent paper jams, always fan the sheets and align the edges before you load them into the printer.
- Handle media carefully by its edges.
- Never touch the print surface (the glossy side of the sheets).
- Dirt or fingerprints on the print surface will adversely affect print quality.
- To prevent changes in color, never stack printed sheets after they have been printed.
- Cover printed sheets with one sheet of plain paper to protect the printed surface, even if you intend to store them in clear plastic folders.



Note

For instructions on loading transparencies and banner paper, see the *S820D User's Guide* on the Setup Software & User's Guide CD-ROM.

To load plain or High Resolution Paper:

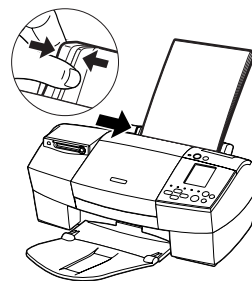
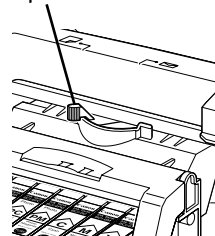
1. Set the paper thickness lever to the left, towards the paper mark.
2. Slide the paper guide completely to the left.
3. Fan the edges of the sheets to remove static cling. Tap the edges of the stack against a flat surface so the stack is aligned.
4. With the whiter side facing up, align the stack with the right side of the sheet feeder.
5. Slide the paper guide right to the edge of the sheet.



Note

You can load up to 100 sheets of plain (17 lb.) paper or 80 sheets of High Resolution Paper in the sheet feeder at one time. When you use High Resolution Paper, do not touch the whiter print side.

Paper thickness lever



To load Photo Paper Pro:

1. Set the paper thickness lever to the left, towards the paper mark.
2. Slide the paper guide completely to the left.
3. With the glossy side facing up, align a sheet of Photo Paper Pro with the right side of the sheet feeder, then insert the sheet into the printer until it stops.
4. Slide the paper guide right to the edge of the sheet.



Note

Load only one sheet of Photo Paper Pro in the sheet feeder at a time.

To load High Gloss Photo Film:

1. Set the paper thickness lever to the left, towards the paper mark.
2. Slide the paper guide completely to the left.
3. With the print side facing up, align a sheet of High Gloss Photo Film with the right side of the sheet feeder and insert the sheet into the printer until it stops.

4. Slide the paper guide right to the edge of the sheet.



Note

- You can load only one sheet of High Gloss Photo Film in the sheet feeder at a time.
- Load the sheet of High Gloss Photo Film with the cut corner in the upper right corner to ensure that the correct print side is facing up.

To load Glossy Photo Paper:

1. Set the paper thickness lever to the left, towards the paper mark.
2. Slide the paper guide completely to the left.
3. With the glossy side facing up, align a sheet of Glossy Photo Paper with the right side of the sheet feeder, then insert the sheet into the printer until it stops.
4. Slide the paper guide right to the edge of the sheet.

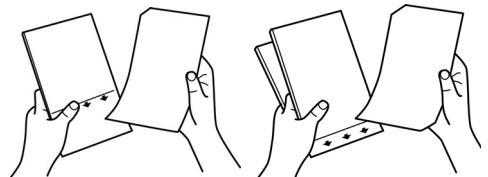


Note

You can load only one sheet of Glossy Photo Paper in the sheet feeder at a time.

To load Photo Paper Pro (4" x 6") or Glossy Photo Cards:

1. Set the paper thickness lever to the left, towards the paper mark.
2. Slide the paper guide completely to the left.
3. With the glossy side up, place the sheet of media on top of the Loading Support Sheet provided with the pack of Glossy Photo Cards or Photo Paper Pro and align both sheets.



Note

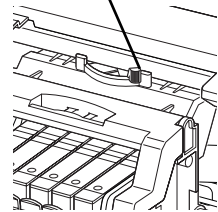
- You can load up to 20 sheets of Photo Paper Pro 4" x 6" or Glossy Photo Card at a time with the loading support sheet.
- Make sure that the loading support sheet is pointing down in the direction of the arrow.
- To avoid jamming, never load Glossy Photo Card or Photo Paper Pro 4" x 6" that is curled or bent, and make sure that the edges of the card and the loading support sheet are aligned before setting them in the printer.

4. Align the stack with the right side of the sheet feeder, then insert the stack into the printer.
5. Slide the paper guide right to the edge of the stack.

To load T-Shirt Transfers:

1. Set the paper thickness lever to the right, towards the envelope mark.
2. Slide the paper guide completely to the left and raise the paper rest.
3. Load the T-Shirt Transfer with the printing side (side without the green line) facing up.
4. Slide the guide right to the edge of the sheet.

Paper thickness lever

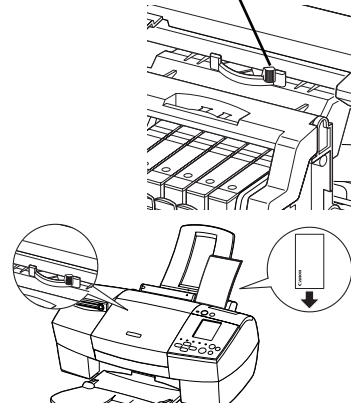


- Load only one T-Shirt Transfer at a time.
- Transfer the image to the T-Shirt as soon as possible. See the instructions provided with the T-Shirt Transfers.

To load envelopes:

1. Set the paper thickness lever to the right, towards the envelope mark.
2. Slide the paper feed guide completely to the left.
3. Press down on the corners and sides of the envelopes to make them as flat as possible by expelling all of the air in them. To avoid paper jams, make sure the envelopes are flat before you load them into the sheet feeder.
4. With the address side facing up and pointed down, align the stack with the right side of the sheet feeder, then insert the stack into the printer.
5. Slide the paper guide right to the edge of the envelope.

Paper thickness lever



If the edges of the envelopes are not sharp, crease them with the side of a pen. Make sure that none of the flaps are overlapping. You can load up to 10 standard #10 envelopes in the sheet feeder.

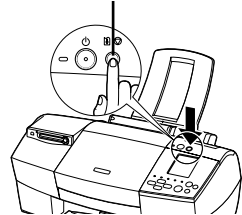
Cancelling a Print Job

You can cancel a print job in progress in several ways:

To cancel a print job using the printer buttons:

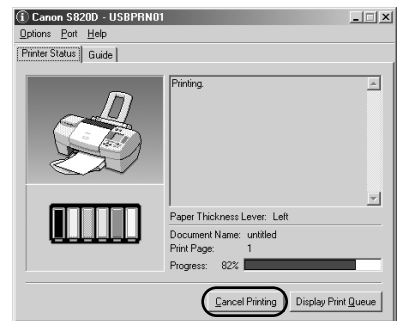
After a print job has started, press the **RESUME/CANCEL** button on the printer. The print job will be cancelled.

RESUME/CANCEL button



To cancel a print job using the BJ Status Monitor:

Click **Cancel Printing** after the print job has started. The print job will be cancelled and the paper ejected.



To cancel a print job from Windows:

1. Click **Start**, then **Settings**, then **Printers**.



Windows XP users: Click **Start**, select **Control Panel**, then **Printers and Other Hardware**, then **Printers and Faxes**.

2. Double-click **Canon S820D**, click the print job, then press the **Delete** key. The print job will be cancelled and the paper ejected.



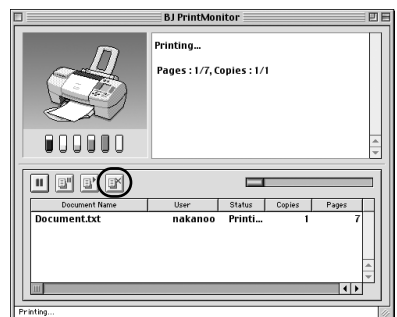
To cancel a print job using Mac OS:

On your keyboard, press the Apple® Command key (**⌘**) and the period key (**.**) at the same time. The print job will be cancelled and the paper ejected.



To cancel a print job using the BJ Print Monitor:

1. Select the **BJ Print Monitor** in the **Finder** menu.
2. Click the name of the print job you wish to cancel, then click



Setting Driver Options

The S820D printer driver can be customized to give you the best quality output.



This topic describes the main options. For more options, see the *S820D User's Guide* on the Setup Software & User's Guide CD-ROM.

Print Mode

Your S820D photo printer offers the following modes of operation. Each mode adjusts the driver settings for the type of project you are printing.



For Windows:

- High** For high quality when printing a color document.
- Standard** For high quality when printing text.
- Draft** For printing text drafts at a faster speed.
- Custom** Allows for more precise control.



For Mac OS:

- Text** Use to print text documents.
- Graphic** Use to print documents that contain text and color photos, business graphics, etc. The printer driver automatically distinguishes between text and photos or graphics, and adjusts the printing for the best results.
- Photo** Use to print photographs or color images.
- Manual** Use to save manually set options for later use.

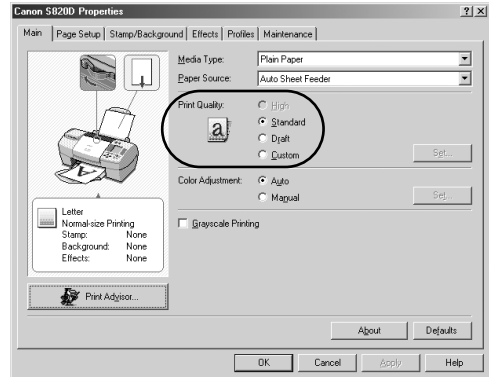


The Print Mode will automatically change when you select a certain Media Type, but you can select another print mode if desired.



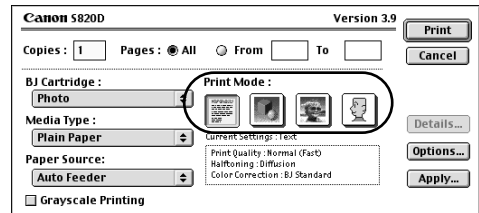
To set the print mode in Windows:

1. From an application **File** menu, select **Print**.
2. Make sure **Canon S820D** is the selected printer, then click **Properties**.
3. On the **Main** tab, click the **Print Quality** that best describes your print job, then click **OK**.



To set the print mode in Mac OS:

1. From a Macintosh application **File** menu, select **Print**.
2. Select the **Print Mode** that best describes your print job.



Changing the Page Setup

You can change how the image is printed without affecting the original image file.



To change the page setup in Windows:

1. From an application **File** menu, select **Print**.
2. With **Canon S820D** as the selected printer, click **Properties**.
3. Click the **Page Setup** tab. Here you can change the following options:
 - Page Size** Defaults to the page size set in the original document, but can be changed.
 - Orientation** Lets you select either portrait or landscape orientation.

Printer Paper Size The page size used by the printer. This defaults to match the page size. However, a different printer paper size can be selected if a Printing Type other than normal is selected (see below).

Printing Type Defaults to Normal-size Printing. Click the drop-down arrow to select one of these Printing Types:

Fit-to-Page Printing This option automatically rescales the image to fit into a specified page size.

Scaled Printing With this option you can set the scale of the printed image down to 20% or up to 400% of the original.

Page Layout Printing Lets you set the number of pages to print on a single sheet. Click **Specify** to set the number of pages to a sheet of paper (1 to 16), the print order for those pages (left to right or right to left) and whether you want to print a border around each page.

Booklet Printing Data is printed on both sides of paper in such a manner that pages can be collated properly in the order of the page numbers when the printed sheets are folded and stapled at the center.

Poster Printing Lets you print an oversized image on multiple pages that can then be manually joined together. Click **Specify** to set the image divisions (how many tiles the image will break into).

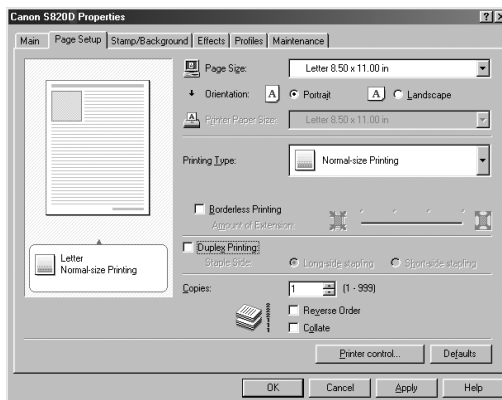
Banner Printing Used for printing banners on special banner paper.

Borderless Printing Used for printing images that cover the entire surface of the card without a white border. Use Canon Photo Paper Pro for Borderless Printing with this feature.

Duplex Printing The document can be printed on both sides of the paper. When printing is complete, reload paper properly, according to the displayed message, then click **OK**. The document will be printed on the opposite side.

4. When done, click **OK**.

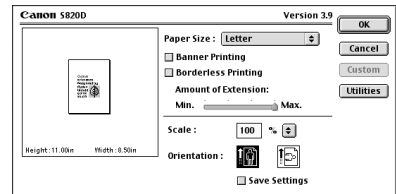
For more feature descriptions, see the *S820D User's Guide* on the Setup Software & User's Guide CD-ROM or access the online help.





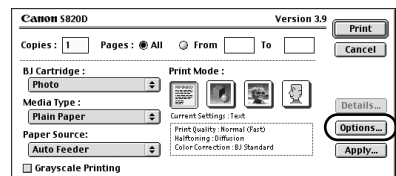
To change the page setup in Mac OS:

1. Make sure that **S820D** is the selected printer (from the **Apple** menu, select **Chooser**, then **S820D**).
2. From an application **File** menu, click **Page Setup**. The Page Setup dialog box will open.
3. From this dialog box, you can change the following:
 - Select a paper size from the **Paper Size** drop-down list. (If printing a banner, click the **Banner Printing** check box, then follow the on-screen instructions. If printing on borderless paper, click the **Borderless Printing** check box, then follow the on-screen instructions.)
 - Set a **Scale** percentage value between 50% and 200% to print the image in a size different from the original document.
 - Click an **Orientation** icon to change the page orientation.
4. To save these settings for the next print job, click the **Save Settings** check box.
5. When done, click **OK**.



To change the page layout and print order in Mac OS:

1. Make sure that **S820D** is the selected printer (from the **Apple** menu, select **Chooser**, then **S820D**).
2. From an application **File** menu, click **Print**. The Print dialog box will appear.
3. Click **Options**. The Options dialog box will open.



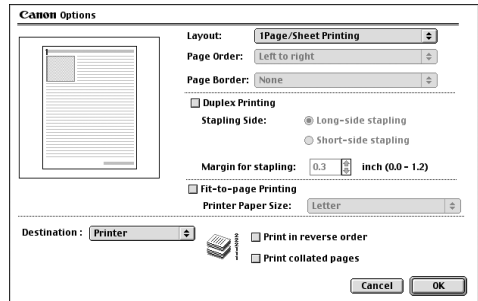
4. From the Options dialog box, you can enter or change the following:

- To print in reverse order, check the **Print in reverse order** box.
- If you are printing more than one copy, check the **Print collated pages** box to collate each copy instead of printing all of page 1, then all of page 2, etc.
- Under **Layout**, click the drop-down arrow to change the number of pages to print on a sheet (from 1 Page up to 16 Pages).
- If the page layout is other than 1 Page, you can select a different **Page Order** specific to the selected page layout.
- If the page layout is other than 1 Page/Sheet Printing, you can also select whether to print a **Border** around each page.

5. When done, click **OK**, then **Print**.



For more information on printer driver features, see the *S820D User's Guide* on the Setup Software & User's Guide CD-ROM, or use the Mac Balloon Help.



Chapter 2: Advanced Print Features

This chapter provides information on how to use the S820D photo printer options to enhance printed color images.

If your print results using pre-set print modes are unsatisfactory, you may be able to improve the printing quality by:

- Using Recommended Paper or Specialty Media
- Smoothing Rough or Jagged Edges
- Optimizing Color Photographs
- Adjusting Print Quality
- Adjusting Color Balance, Brightness and Saturation
- Saving and Recalling Driver Settings

Using Recommended Paper or Specialty Media

You can significantly improve the quality of a picture or an image by using the recommended paper or specialty media. Specialty media best suited for printing color are Photo Paper Pro, Photo Paper Pro 4" x 6", Photo Paper Pro for Borderless Printing 4" x 6", High Resolution Paper, Glossy Photo Paper and High Gloss Photo Film.

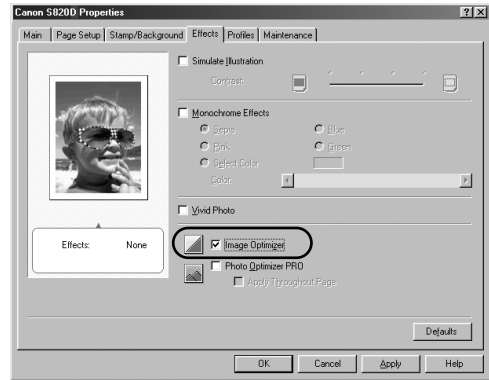
These specialty media reproduce colors better than plain paper. See “Using Specialty Media” on page 4.



Smoothing Rough or Jagged Edges

Use the Image Optimizer feature to smooth rough or jagged images.

1. From an application **File** menu, select **Print**.
2. Make sure **Canon S820D** is the selected printer, then click **Properties**.
3. Select the **Effects** tab.
4. Click the **Image Optimizer** check box.
5. When done, click **OK**.



Optimizing Color Photographs

Depending on the conditions under which you took a photograph, sometimes the natural colors in the photograph may not be accurately reproduced in the printed image.

For realistic color reproduction, use the Photo Optimizer PRO feature. Photo Optimizer PRO adjusts color automatically if the original image color is unsatisfactory.



To optimize color photographs in Windows:

1. From an application **File** menu, select **Print**.
2. Make sure **Canon S820D** is the selected printer, then click **Properties**.
3. On the **Effects** tab, click the **Photo Optimizer PRO** check box.

When **Photo Optimizer PRO** is checked, the **Apply Throughout Page** option becomes active. If this box is left unchecked, the S820D will optimize each image individually. If checked, all images will be automatically corrected with the same settings.

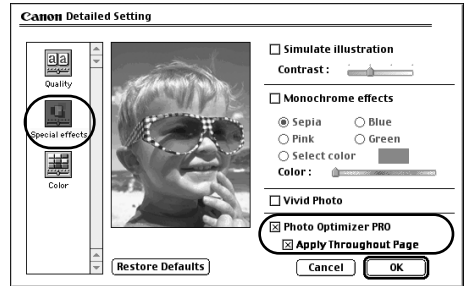
4. When done, click **OK**.





To optimize color photographs in Mac OS:

1. From an application **File** menu, select **Print**.
2. Click the **Manual** print mode icon, then **Details**. The Detailed Setting dialog box will open.
3. Select **Special Effects** in the left column, then click the **Photo Optimizer PRO** check box.
4. If you want Photo Optimizer PRO to process the entire page, check **Apply Throughout Page**.



If you want only the photo image optimized, leave this box unchecked.

5. Click **OK**.

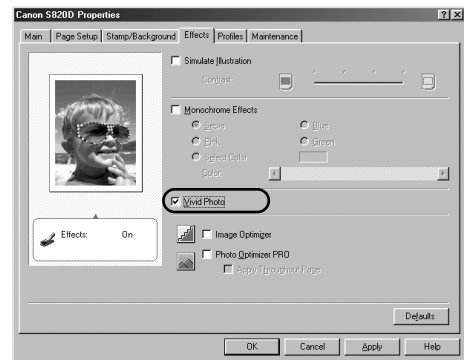
Using the Vivid Photo Option

Vivid Photo intensifies background colors for fields, trees, oceans and skies, while maintaining natural skin tones for any people in the images.



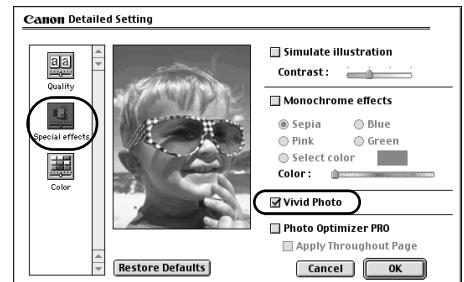
To use Vivid Photo in Windows:

Open the Properties dialog box, click the **Effects** tab, and then click the **Vivid Photo** check box.



To use Vivid Photo in Mac OS:

Open the Detailed Setting dialog box, click the **Special effects** icon, and then click the **Vivid Photo** check box.



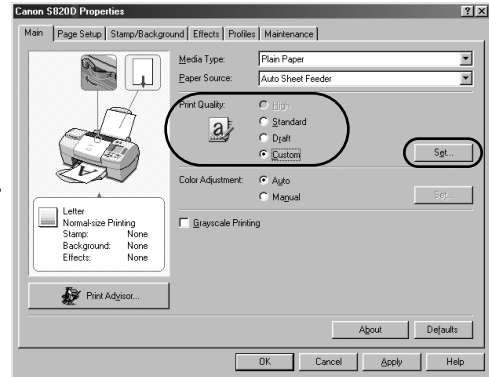
Adjusting Print Quality

You can create a sharper image by specifying the printer to add more dots of ink for the image. Keep in mind that the finer the quality, the longer it takes to print a photograph.

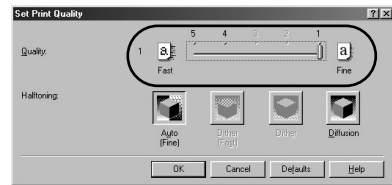


To adjust image quality in Windows:

1. From an application **File** menu, select **Print**.
2. Make sure that **Canon S820D** is the selected printer, then click **Properties**.
3. On the **Main** tab, under Print Quality, select **Custom**, then click **Set**.

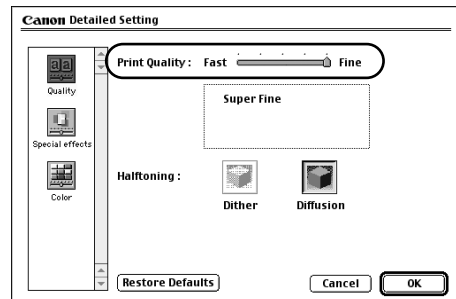


4. Slide the **Print Quality** slide bar to **Fine**.
5. Click **OK**. The Set Print Quality dialog box closes.
6. Click **OK**. The S820D Properties dialog box closes.



To adjust image quality in Mac OS:

1. From an application **File** menu, select **Print**.
2. Click the **Manual** print mode icon, then **Details**. The Detailed Setting dialog box will appear.
3. Slide the **Print Quality** slide bar to the **Fine** setting.
4. Click **OK**.



Adjusting Color Balance, Brightness and Saturation

You can enhance color printing by adjusting the color balance, output style (saturation) and brightness.



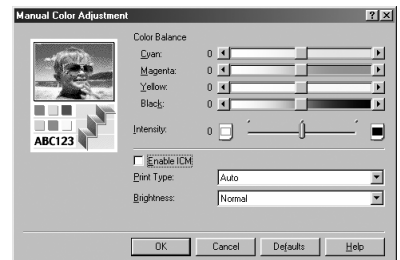
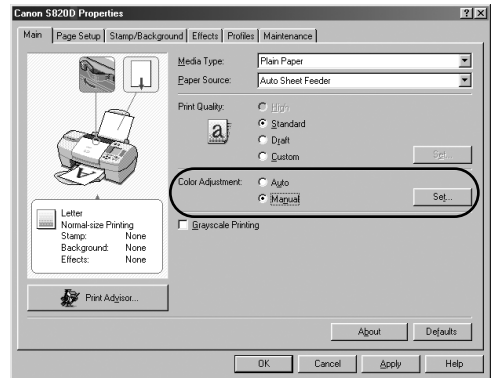
Note

For detailed information about these settings, see the *S820D User's Guide* on the Setup Software & User's Guide CD-ROM.



To adjust color settings in Windows:

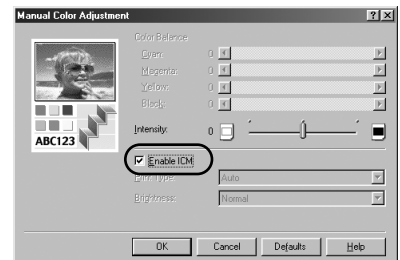
1. From an application **File** menu, select **Print**.
2. With **Canon S820D** as the selected printer, click **Properties**.
3. On the **Main** tab, under **Color Adjustment**, select **Manual**. The Set button will become active.
4. Click **Set**, and the Manual Color Adjustment dialog box will open.
5. Click and drag the **Color Balance** slide bar for each color to adjust the color settings. The results will preview.
6. Click and drag the **Intensity** slide bar to change the intensity (saturation) for the image. The results will preview.



Note

Image Color Management (ICM) is a feature that automatically adjusts the image colors. (This feature is only available in Windows 98, Me, 2000 and Windows XP.)

To use ICM for automatic color adjustment, click the **Enable ICM** check box. All other features on this tab (except Intensity) will become inactive.



Advanced Print Features

7. Under **Print Type**, select **Photo** when printing photographs. This allows for a wider range of tones. Set to **Graphic** when printing graphic images for crisper, cleaner graphic images.
8. Select a **Brightness** setting to determine how light or dark the image will appear when printed.
9. When done, click **OK**.



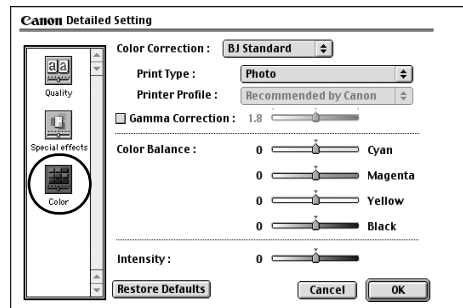
Note

To print in black only, check the **Grayscale Printing** box. This will convert color images to grayscale when printing, without changing the original colors in the document.



To adjust color settings in Mac OS:

1. From a Mac application, select **File**, then **Print**.
2. Click **Manual**, then **Details**.
3. Click the **Color** icon.
4. Adjust the Color Correction, Gamma Correction, Color Balance and Intensity settings for your image.
5. Under **Print Type**, select **Photo** when printing photographs. This allows for a wider range of tones. Set to **Graphic** when printing graphic images for crisper, cleaner graphic images.
6. Click **OK**.



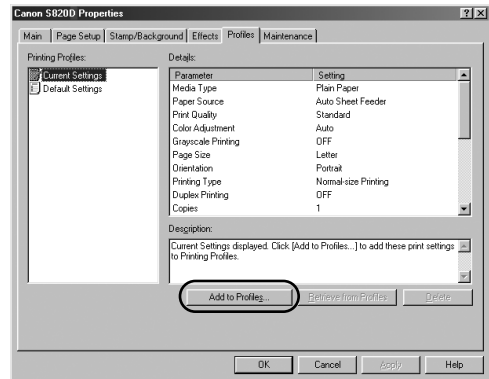
Saving and Recalling Driver Settings

You can assign a name to a combination of driver settings and recall them for future use.



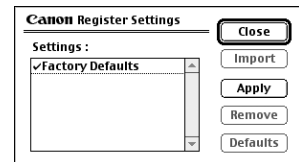
To save driver settings in Windows:

1. From an application **File** menu, select **Print**.
2. With **Canon S820D** as the selected printer, click **Properties**.
3. Make the desired printer driver setting changes.
4. Without exiting the Properties dialog box, select the **Profiles** tab.
5. Click **Add to Profiles**, then type a name for your settings in the **Name** field. You can also select an icon for this profile.
6. Type a description of your settings.
7. Click **OK**.



To save driver settings in Mac OS:

1. From an application **File** menu, select **Print**.
2. Click **Apply**. The Register Settings dialog box will appear.
3. Click **Apply** again.
4. Type a name for the settings, then click **OK**. The Register Settings dialog box will reappear.
5. Click **Close**.



Note

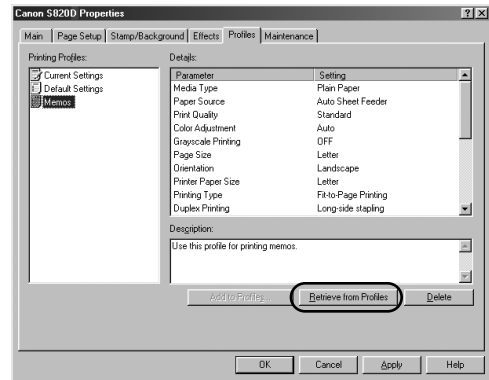
To save the new settings as the default setting for the Manual icon, click on the name in the **Settings** list, then click **Defaults**.

Advanced Print Features



To recall driver settings in Windows:

1. From an application **File** menu, select **Print**.
2. With **Canon S820D** as the selected printer, click **Properties**.
3. Select the **Profiles** tab.
4. Highlight the saved setting profile you want to use.
5. Click **Retrieve from Profiles**, then click **OK** to confirm the profile change. The profile settings will become active.
6. Click **OK** again to close the dialog box.



To recall driver settings in Mac OS:

1. From an application **File** menu, select **Print**.
2. Click **Apply**, then select the name of your saved settings.
3. Click **Defaults**, then **OK**.
4. Click **Import**, then **Close**.

Chapter 3: Printing Without a Computer

This chapter describes how to use only the printer without the computer to print photos taken with a digital camera. The following topics are addressed:

- Basic Operations
- Using the Optional Image Viewer
- Adjusting the Brightness and Contrast
- Printing Photos
- Print Options
- Maintenance Procedures for Direct Printing

While the printer's Operation Panel allows you to print without a computer, you will need a computer if you plan to use the Memory Card Utility, which you would install on your computer. Use this utility to perform several tasks associated with using a memory card, such as selecting the application to be started when the memory card is inserted and changing the read/write mode of the memory card slot.

Basic Operations

The following section describes basic operations required for printing, including how to use the printer's Operation Panel, and how to use a memory card or attach a digital camera to the printer.

Operation Panel Names and Functions

Shown below is the operations panel found on the printer. Become familiar with various functions of the panel so you can prepare your photo for printing.

A) Last

When printing a range of continuous photo frames, specify the number of the last photo. For specified frame printing, specify the number of the photo to be printed.

B) Media Type

Specify the type of print media you plan to use.

C) Layout

Specify the number of photos to be printed on one sheet.

D) Quality

Specify the print quality.

E) Print Date

Specify whether you wish to print the date when the photo was taken.

F) Optimize Image

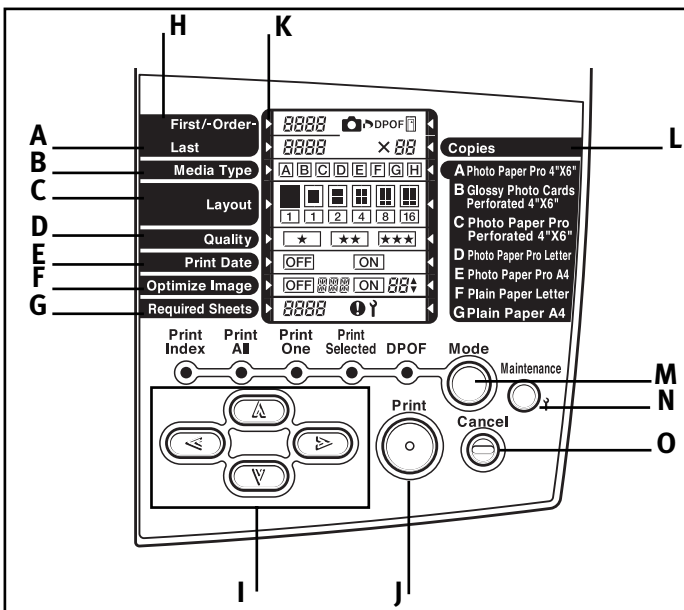
Specify whether the photo is to be adjusted before printing.

G) Required Sheets

The number of sheets required for printing is displayed. During maintenance, the step number is displayed. If an error occurs, the error number is displayed.

H) First/-Order-

When printing a range of continuous photo frames, specify the number of the first photo. (When printing only one frame, specify the number of photo to be printed.) For specified frame printing, the specified number (printing order) is displayed.



I) Cursor button

Press these buttons when setting various items.

J) Print button

Press this button to start printing or to apply the maintenance setting.

K) Cursor

The cursor's position indicates which setting will be changed.

L) Copies

Specify the number of copies to be printed.

M) Mode button

Press this button to switch the print mode (index printing, all frame printing, single frame printing, etc.). See "Printing Photos" on page 35.

N) Maintenance button

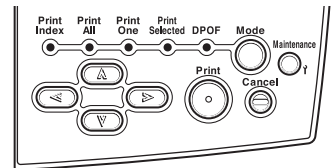
Press this button to perform printer maintenance operations, such as printhead cleaning. See "Maintenance Procedures for Direct Printing" on page 40.

O) Cancel button

Press this button to stop printing or to stop maintenance.

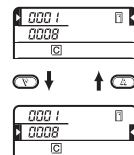
Operating the Cursor Buttons

Use the Cursor buttons to move between items on the Operation Panel.



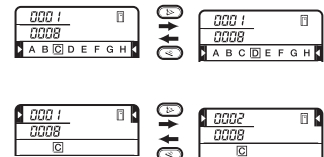
To move between items:

To move the (cursor), press the (up) and (down) buttons.



To change a setting:

To change the photo number or a setting, press the (left) and (right) buttons. The (right) button increases the photo number; the (left) button decreases the photo number.



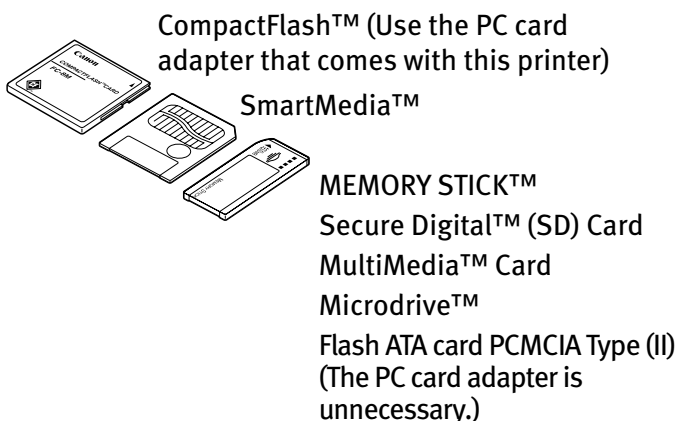
Using a Memory Card

You can use a memory card or a digital camera that supports direct printing. This section describes how to insert a memory card and print photos directly from the printer. To use a digital camera, See “Using a Digital Camera” on page 30.

Supported memory cards:

You can use any of the memory cards shown to the right. Keep the following tips in mind:

- Format the memory card using your digital camera. This printer does not support the computer’s unique format.
- Photos that have been edited with the computer may not print properly.
- Use a PC card adapter that is recommended by the memory card you use.
- Some digital cameras do not support 64 MB memory cards. Photos stored in memory cards that are not supported by the camera cannot be read.



Note

A Canon adapter for the CompactFlash card is included. Other memory cards may require purchase of a different PCMCIA adapter.

To use a memory card:



Note

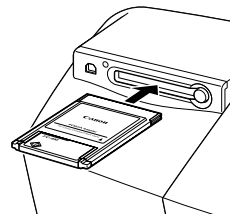
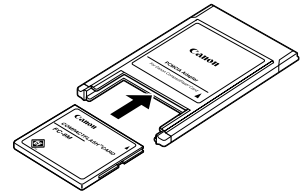
The following procedure is different if you are using a memory card when the printer is connected to the computer. See the *S820D User's Guide* on the Setup Software & User's Guide CD-ROM.

1. Turn on the printer.
2. Insert the memory card into the PC card adapter.
3. Insert the PC card adapter into the card slot.
The indicator lamp will light.



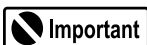
Note

- If you use your computer to modify content on the memory, make sure to print from the computer.
- When printing from the Operation Panel, remove the memory card and print again after you reinsert it.
- Make sure to fully insert the PC card adapter.



To eject the memory card:

1. Make sure the indicator lamp is not blinking.



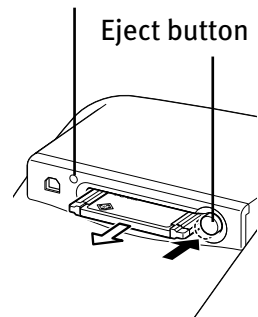
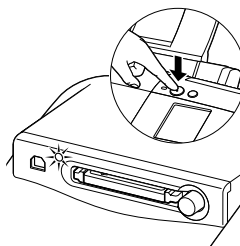
Important

If you remove the memory card or switch off the power to the printer while the indicator lamp is blinking, the data of the memory card may be destroyed.

2. Press the printer **POWER** button to turn off the printer.
3. Check that the indicator lamp is off, and press the **Eject** button.
4. Pull out the PC card adapter.

Indicator lamp

Eject button



S830D

Printing Without a Computer

To conserve ink:

If you will be using the printer without connecting to a computer, follow these tips to conserve ink:

- Always leave the printer plugged in, except when the printer will not be used for a long period of time (one month or longer). (Use the POWER button on the printer to turn the printer on/off.)

If the printer is not connected to a computer, printhead cleaning begins automatically when the power plug is unplugged and then plugged back in. While this action maintains the optimal printhead condition, it also consumes ink.

- This product should be connected directly to the power outlet.

If this product is switched on/off from a table top that has a power switch, cleaning begins automatically because the same condition exists as when the power plug is unplugged and plugged back in. This will result in the ink running out faster.


Using a Digital Camera

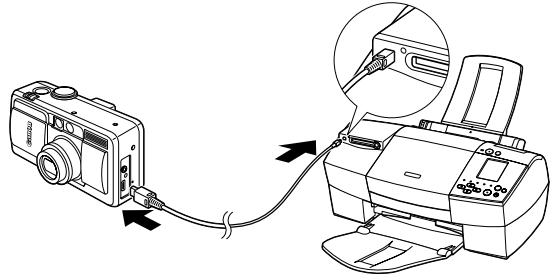
You can print photos connecting a selected Canon digital camera that has a direct printing function. If you connect the digital camera with a provided direct interface cable, perform the print operations from the digital camera. For more information, refer to the *Bubble Jet Direct Reference Guide*.

Supported Media Types for Digital Cameras

Paper Type	Digital Camera Setting
Photo Paper Pro for Borderless Printing	Card #1
Glossy Photo Cards	Card #2
Photo Paper Pro	Card #3
Photo Paper Pro Letter Size	LTR
Photo Paper Pro A4 Size	A4

To use a digital camera:

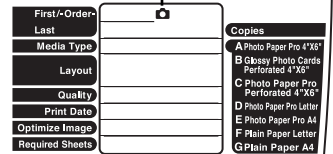
1. Turn on the printer.
2. Connect the digital camera to the printer. Use the cable that comes with the printer to connect the digital camera to the printer.
3. Turn on the digital camera.
4. The  (camera) mark appears.



Note

- The setting for communicating with this printer differs depending on the camera that you use. Refer to the instructions that come with the digital camera or the *Bubble Jet Direct Reference Guide*.
- When printing photos, you will not be able to print from the Operation Panel. For instructions on printing photos from the digital camera, see the *Bubble Jet Direct Reference Guide*.
- To remove the digital camera cable, disconnect the cable on the printer side and turn off the digital camera.

Camera mark



Using the Optional Image Viewer

The optional Canon Image Viewer (CV-100) allows you to display JPEG image data stored on the inserted memory card and check the print layout of the first page.

Switching the Viewer Display On/Off

To switching the viewer display on:

1. After attaching the viewer to the printer, turn on the printer.
2. Insert the memory card containing saved JPEG data into the card slot. The first data that was saved to the memory card is displayed on the viewer.



Note

When Digital Print Order Format (DPOF) is selected, the photos are displayed chronologically.

To switch the viewer display off:

If none of the keys on the Operation Panel are touched for approximately five minutes, the viewer display goes into sleep mode automatically. To exit sleep mode, simply perform any operation on the panel.



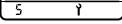
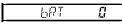


The viewer display turns off under the following conditions:

- The printer is turned off.
- A digital camera that supports direct printing is connected.
- The memory card is ejected.


Adjusting the Brightness and Contrast


The brightness and contrast of the viewer display can be adjusted from maintenance mode.

To adjust brightness:

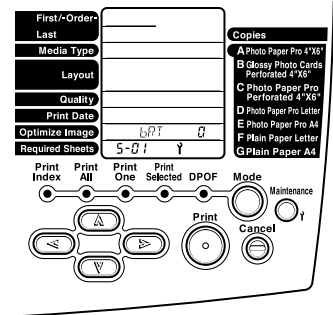
1. Make sure the printer is on.
2. Insert a memory card containing JPEG images.
3. Press the **Maintenance** button. The  icon appears in Required Sheets.
4. Press the  (right) button five times. The  icon is displayed.
5. Press the **Print** button. The  icon appears in Optimize Image.
6. Adjust the brightness by using the  (left) and  (right) buttons.

You can adjust the brightness within the following range. The base setting is 0.

: As the number increases in the negative direction, the brightness becomes darker (-1 to -9).

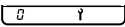

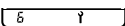
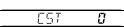


: As the number increases in the positive direction, the brightness becomes brighter (1 to 9).

7. Press the **Print** button. The data is displayed in the viewer at the selected brightness.





Printing Without a Computer

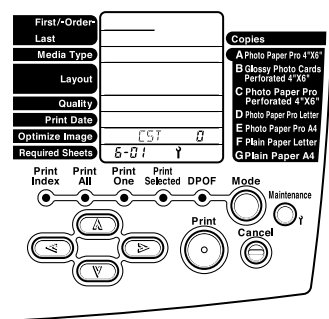
To adjust the contrast:

1. Make sure the printer is on.
2. Insert a memory card containing JPEG images.
3. Press the **Maintenance** button. The  icon appears in Required Sheets.
4. Press the  (right) button six times. The  icon appears.
5. Press the **Print** button. The  icon appears in Optimize Image.
6. Adjust the contrast by using the  (left) and  (right) buttons.

You can adjust the contrast within the following range. The base setting is 0.

- : As the number increases in the negative direction, the contrast becomes deeper (-1 to -9).
- : As the number increases in the positive direction, the contrast becomes lighter (1 to 9).

7. Press the **Print** button. The data is displayed in the viewer with the contrast that was set.

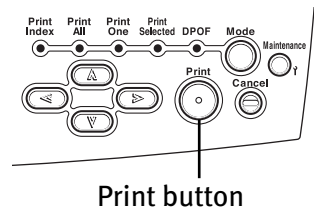
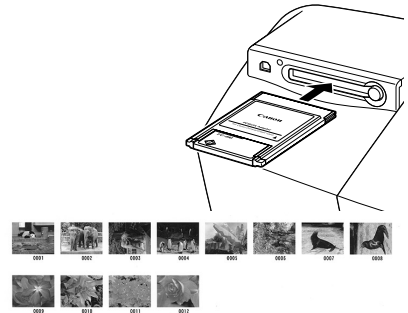


Printing Photos

When printing without a computer, you can select from five modes: Index, All Frames, Single Frame, Specified Frame, and DPOF.

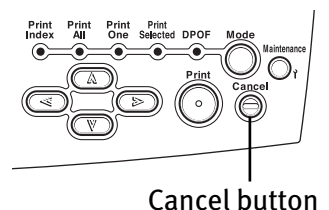
To print photos:

1. Insert the memory card.
2. Press the **Mode** button, and select one of the following printing methods:
 - **Index:** Prints a list of the photos and photo numbers (shown to the right) stored on the memory card.
 - **All Frames:** Prints all photos found on the memory card. You can also specify a range to print only some of the photos.
 - **Single Frame:** Allows you to select and print a single photo from the memory card.
 - **Specified Frame:** Allows you to specify up to 99 photos to be printed in one batch.
 - **DPOF:** If Digital Print Order Format (DPOF) settings are specified in the digital camera, the printing begins automatically according to the specified settings.
3. Set the paper type and the layout. See “Print Options” on page 36.
4. Load paper into the printer, and press the **Print** button.



To stop printing:

- Press the **Cancel** button on the Operation Panel.



Print Options

After you've selected the printing mode, you can set the type of paper and layout to be used in printing, the number of print copies, photo correction, quality, and dated printing.

Setting the Number of Copies

Use this setting to choose the number of copies in Single Frame mode.

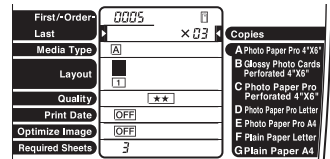


Note

- Copies cannot be set in Index, All Frames, or Specified Frame mode.
- For DPOF mode, set Copies from the digital camera.
- Copies allows you to specify the number of copies for one photo. The number of required sheets differs depending on the setting in Layout. For example, if eight copies in Copies and four patterns in one sheet in Layout are specified, two sheets are needed to print.

To set single frame mode:

1. Move the (cursor) to **Copies** by pressing the (top) or (bottom) key.
2. Set the number of copies (up to 99) by pressing the (left) or (right) key.



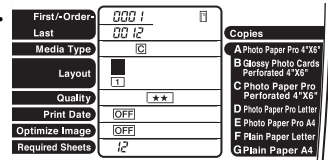
Setting the Media Type

You can select from the following media:

Operation Panel Display	Media Name and Size
[A]	Photo Paper Pro for Borderless Printing
[B]	Glossy Photo Cards Perforated 4" x 6"
[C]	Photo Paper Pro Perforated 4" x 6"
[D]	Photo Paper Pro Letter size
[E]	Photo Paper Pro A4 size
[F]	Plain Paper Letter
[G]	Plain Paper A4

To set the media type:

1. Press the **Mode** button to select the desired print mode.
2. Move the **⏏** (cursor) to **Media Type** by pressing the **⏏** (top) or **⏏** (bottom) button.
3. Select the media type by pressing the **⏏** (left) or **⏏** (right) button.



You can check the media name that corresponds to each letter on the right side of the Operation Panel.

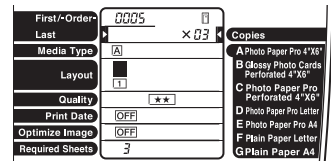
Setting the Print Layout

You can set the number of photos (layout) to be printed on one sheet of paper.



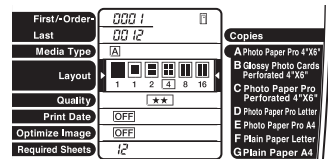
Note

- In Index mode, Layout cannot be set.
- In Single Frame mode, the same photo is lined up in the specified layout and printed.
- In All Frames, Specified Frame, and DPOF mode, the sections that have no photo to print are left blank.



To set the print layout:

1. Press the **Mode** button to select the desired print mode.
2. Move the **⏏** (cursor) to **Layout** by pressing the **⏏** (top) or **⏏** (bottom) key.
3. Select the layout by pressing the **⏏** (left) or **⏏** (right) key.








Select **■** to print a borderless photo.

Select **■** to print a bordered photo.

Setting the Print Quality

You can set the print quality to be high or low.

To set the print quality:

1. Press the **Mode** button to select the desired print mode.
2. Move the  (cursor) to **Quality** by pressing the  (top) or  (bottom) key.
3. Select the quality by pressing the  (left) or  (right) key.

When the number of star (★) is high, the photos can be printed finely.

When the number of star (★) is low, the photos can be printed quickly.

Printing the Date on Photos






The date when the photo was taken, as recorded in the digital camera, is printed.

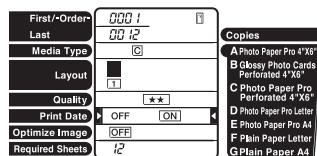


Note

In DPOF mode, set Print Date from the digital camera.

To print the date:

1. Press the **Mode** button to select the desired print mode.
2. Move the  (cursor) to **Print Date** by pressing the  (top) or  (bottom) button.
3. Select **OFF** (disable)/**ON** (enable) for date printing by pressing the  (left) or  (right) button.



Correcting Photos

This function automatically corrects photos before printing them. This function is effective when printing photos that fogged because of fluorescent lighting effects or photos that do not have proper exposure.

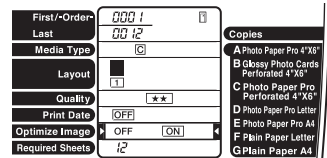


Note

- When image correction is performed, printing may take longer.
- The actual image and coloring may vary depending on the photo.

To correct photos:

1. Press the **Mode** button to select the desired print mode.
2. Move the (cursor) to **Optimize Image** by pressing the (top) or (bottom) button.
3. Select **OFF** (disable)/**ON** (enable) for image correction by pressing the (left) or (right) button.



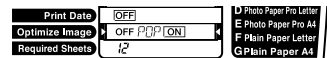
Advanced Photo Correction

To set more detailed photo correction, two correction functions are performed: a correction for color fogginess and exposure (Photo Optimizer PRO function), and a correction for reproducing vivid colors (Vivid Photo function). To set only one correction function, follow the procedure below.

To do more detailed photo correction:

1. Select **ON** (enable) for **Optimize Image** by pressing the (left) or (right) button.

To use only the correction function for color fogginess and exposure (Photo Optimizer PRO function).



2. Press the (right) key once. The display changes to **[POP[ON]]**, and only the Photo Optimizer PRO function becomes enabled.

To use only the correction function for reproducing vivid colors (VIVID function).

3. Press the (right) key twice. The display changes to **[VP[ON]]**, and only the VIVID Photo function becomes enabled.

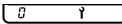



Maintenance Procedures for Direct Printing

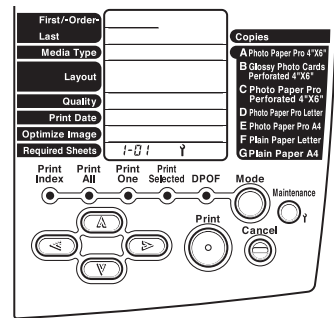
Printing a Nozzle Check Pattern

You can print a nozzle check pattern by pressing the **RESET** button of the printer. Follow the steps below.

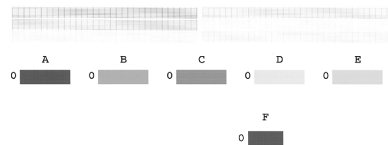
1. Make sure the printer is on.
2. Load letter paper.
3. Keep the **RESET** button pressed down, and release it when the power lamp blinks twice.

To print a nozzle check pattern:

1. Make sure the printer is on.
2. Load letter paper.
3. Press the **Maintenance** button. The  icon appears in Required Sheets.
4. Press the  (right) button once. The  icon appears.
5. Press the **Print** button. Nozzle check pattern is printed. When printing ends, the  icon appears.
6. Press the **Maintenance** button to exit.
7. Compare the nozzle check patterns.



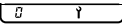

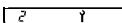
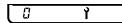
- If the lines in the first pattern are broken, the printhead must be cleaned. See “Cleaning the Printhead” on page 41.
- If the vertical lines in the second pattern stand out, the printhead position must be aligned. See “Aligning the Printhead” on page 49.

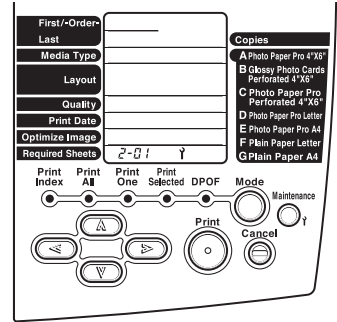


Cleaning the Printhead

You can perform printhead cleaning by making sure the printer is on, then keeping the **RESET** button pressed down. Release it when the power lamp blinks once.

To clean the printhead from the Operation Panel:



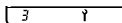
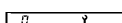
1. Press the **Maintenance** button. The  icon appears in Required Sheets.
2. Press the  (right) button twice. The  icon is displayed.
3. Press the **Print** button. Printhead cleaning starts. When cleaning ends, the  icon appears.
4. Press the **Maintenance** button to exit.
5. Print a nozzle check pattern, and make sure the pattern prints correctly. See “Printing a Nozzle Check Pattern” on page 40.
 - If there is no improvement, repeat head cleaning up to three times.
 - If there is still no improvement, perform head refreshing. See “Refreshing the Printhead” on page 41.

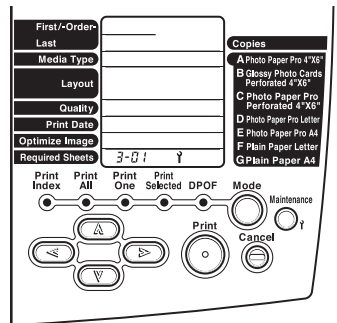


Refreshing the Printhead

If printhead cleaning is not effective, perform printhead refreshing, which is a stronger cleaning process. Perform this operation only when necessary.

To refresh the printhead:

1. Press the **Maintenance** button. The  icon appears in Required Sheets.
2. Press the  (right) button three times. The  icon appears.
3. Press the **Print** button. Printhead refreshing starts. When refreshing is completed, the  icon is displayed.
4. Press the **Maintenance** button to exit.
5. Print a nozzle check pattern, and make sure the pattern prints correctly. See “Printing a Nozzle Check Pattern” on page 40.



Using the Memory Card Startup Utility

You'll need your computer to use the Memory Card Startup Utility. Use this utility to change the settings when you insert a memory card or to change the read/write mode of the card slot.

Normally, the Memory Card Startup Utility starts automatically when you insert a memory card. To start it manually, follow the instructions below.




Note

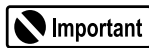
If you eject a memory card while the access lamp is on or blinking, the memory card may not operate properly.



Always use the Memory Card Startup Utility to eject a memory card.



Before you eject a memory card, be sure to discard the  icon into the Trash.




Important

When you select **Change the drive's read/write attribute** and set the **Read/Write-Enabled Mode**, note the following points:

- Change the write protection (switch or seal to prevent accidental erasing) of the memory card to write-enabled mode before inserting the memory card. If you insert a write-protected card, the computer may not operate normally.
- If you change the contents of a memory card, you must format the memory card with a digital camera, otherwise you may not be able to take photographs. This printer supports only the format used by the digital camera.
- If you change or manipulate the contents of a memory card from a computer, be sure to print the contents from the computer. If you print the contents from the Operation Panel, the information may not print properly.



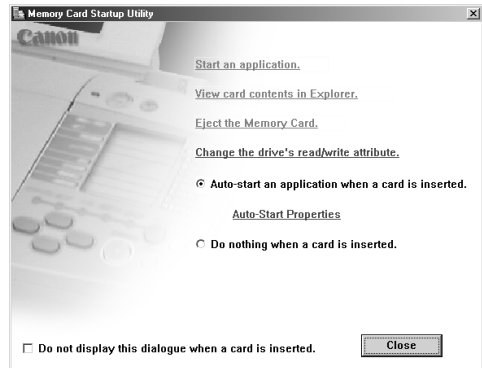
To use the Memory Card Startup Utility in Windows:

Double-click the  icon on the right side of the task bar. The Memory Card Startup Utility will appear, allowing you to select among these options:


Start an application: Starts an application. Depending on the application, the contents of the memory card may be displayed.

View card contents in Explorer: Displays a list of the files stored on the memory card within Windows Explorer.

Eject the Memory Card: When selected, the indicator lamp starts blinking, a message will appear, and the printer gets ready for memory card ejection. When the indicator lamp goes off, press the **Eject** button and remove the memory card.



Note

Windows XP/2000: The computer recognizes the card slot as a removable disk. Therefore, if you want to turn off the printer while you are using the computer, perform the hardware removal operation by using the  icon on the right side of the task bar.

Change the drive's read/write attribute: Displays the USB Memory Card Settings dialog box where you can change the mode (Read-only mode, or Read/write enabled mode) of the card slot by following the on-screen instructions. By default, the mode is set to read only. Be sure to remove the memory card before by using **Eject the Memory Card** if you change the mode.

Auto-start an application when a card is inserted or Do nothing when a card is inserted: Determines whether an application will start each time the memory card is inserted.



Note

You can set the application to be started in advance with the **Auto-Start Properties** function.

Do not display this dialog when a card is inserted: When this check box is selected, this screen is not displayed even when a memory card is inserted.

Close: Closes the Memory Card Startup Utility.



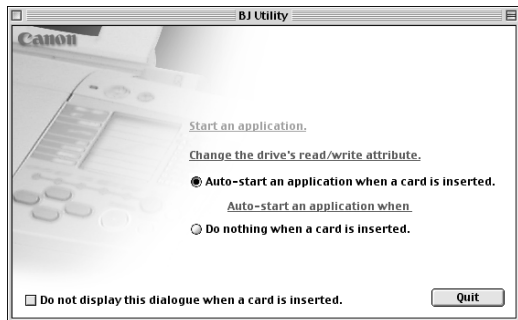
To use the Memory Card Startup Utility in Mac OS:

In the **Apple** menu, select **BJ Utility**. The Memory Card Utility will appear, allowing you to select among these options:

Start an application: Starts an application. Depending on the application, the contents of the memory card may be displayed.

Change the drive's read/write attribute: Displays the Driver Settings dialog box where you can change the mode (Read-only mode, or Read/write enabled mode) of the card slot by following the on-screen instructions. By default, the mode is set to read only. Be sure to eject the memory card before you change the mode.

Auto-start an application when a card is inserted/Do nothing when a card is inserted: Determines whether an application will start each time the memory card is inserted.



Note

You can set the application to be started in advance with the **Auto-Start Properties** function.

Do not display this dialog when a card is inserted: When this check box is selected, this screen is not displayed even when a memory card is inserted.

Quit: Closes the Memory Card Utility.

Setting the Application to be Started

Set the application to be started whenever a memory card is inserted or **Start an application** is clicked.

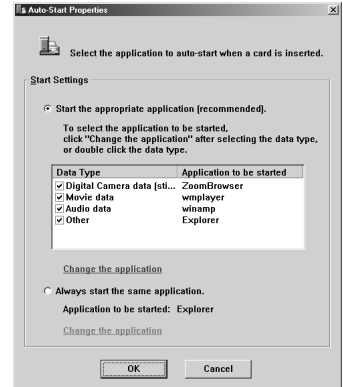


To set the application to be started in Windows:

1. Open the Memory Card Startup Utility, and then click **Auto-Start Properties**. The Auto-Start Properties dialog box will appear.

2. Specify **Start Settings**:

- **Start the appropriate application [recommended]:** When you select this option, the system automatically identifies the type of data stored in the memory card and starts the appropriate application. When this option is not selected, the specified application is not started even if the memory card contains that type of data.
- **Always start the same application:** When you select this option, the system always starts same application regardless of the type of data stored on the memory card.



Note

To change the application to be started, click the **Change the application** button in the Auto-Start Properties dialog box, and select the application to be started.

3. Click **OK**.

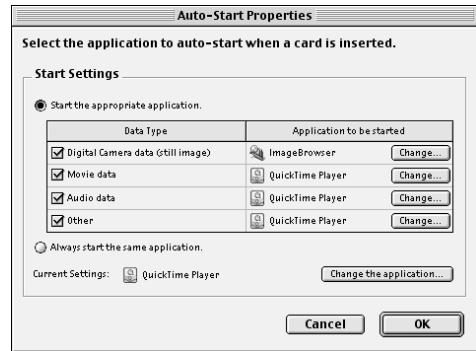


To set the application to be started in Mac OS:

1. Open the Memory Card Utility, and click **Auto-start an application when**. The Auto-Start Properties dialog box will appear.

2. Specify **Start Settings**:

- **Start the appropriate application:** When you select this option, the system automatically identifies the type of data stored in the memory card and starts the appropriate application. When this option is not selected, the specified application is not started, even if the memory card contains that type of data.
- **Always start the same application:** When you select this option, the system always starts same application regardless of the type of data stored on the memory card.



To change the application to be started, click **Change the application** in the Auto-Start Properties dialog box, and select the application to be started.

3. Click **OK**.

Chapter 4: Printing Maintenance

This chapter provides information on how to care for the ink delivery system for your Canon S820D photo printer. The following topics are addressed:

- Monitoring Ink Levels
- Replacing Ink Tanks
- Aligning the Printhead
- Printing a Nozzle Check Pattern
- Cleaning the Printhead

Monitoring Ink Levels

The print driver contains a feature that enables you to monitor the level of ink in each ink tank.



To monitor ink levels in Windows:

1. With the printer on, click **Start**, then **Settings**, then **Printers**.



Note

Windows XP users: Click **Start**, select **Control Panel**, then **Printers and Other Hardware**, then **Printers and Faxes**.

2. Right-click the **Canon S820D** icon, then select **Properties**.

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Printing Maintenance

3. Select the **Maintenance** tab, then click **Start Status Monitor**. The BJ Status Monitor window will appear.

The Ink panel displays the ink levels for each tank.

The following icons appear when an ink tank is low or has run out of ink:

- ⓘ **Ink low.** Replace ink tank as soon as possible.
- ✕ **Ink out.** Replace ink tank immediately.

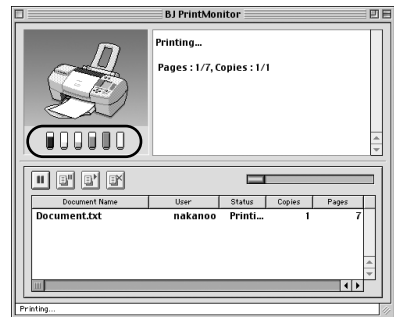
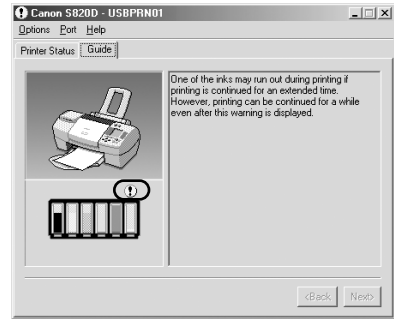
4. Click the close box on the top right of the window to close the BJ Status Monitor, then click **OK** to close the Properties dialog box.



To monitor ink levels in Mac OS:

While you're printing, the BJ Print Monitor can display ink levels, indicating when they are running low. You must enable background printing to use the BJ Print Monitor.

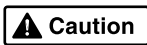
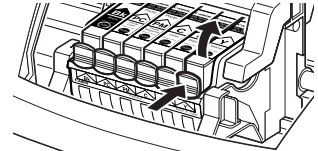
1. Select **Chooser** from the **Apple** menu.
2. Click the **S820D printer icon** and select the **Background Printing On** button.
3. Close the Chooser.
4. After starting a print job, select **BJ Print Monitor** in the **Finder** menu. The BJ Print Monitor opens. Here you can see printer status and ink status with images.



Replacing Ink Tanks

Follow these steps to replace an empty ink tank.

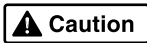
1. Turn on the printer, then open the front cover. The printhead holder will automatically move to the center.
2. Press the tab on the front of the ink tank, then remove and discard the empty tank.
3. Remove the new ink tank from its package. Pull the orange tape up, remove the wrapper and twist off the orange protective cap.



Caution

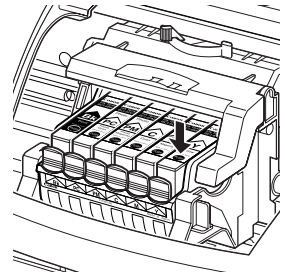
To avoid spilling ink, never press on the sides of an ink tank.

4. Holding the new ink tank at a slight angle, align it with the correct color slot, then gently insert it.



Caution

Do not force an ink tank into the printhead. If the ink tank does not go in smoothly, realign it and try again until it does.



5. Press down on the ink tank until it clicks into place.
6. Close the front cover.

Aligning the Printhead

Before using the printer, align the printhead to ensure the best quality printing.



To align the printhead in Windows:

1. Add a sheet of blank paper in the sheet feeder.
2. Click **Start**, then **Settings**, then **Printers**.



Note

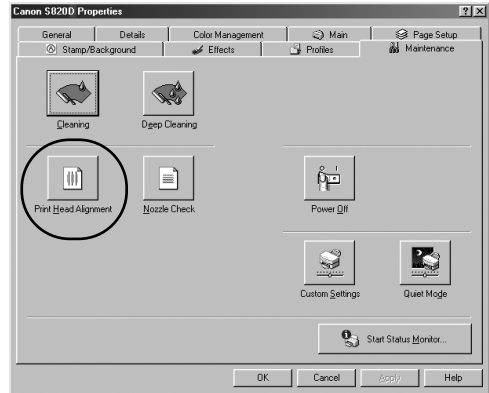
Windows XP users: Click **Start**, select **Control Panel**, then **Printers and Other Hardware**, then **Printers and Faxes**.

3. Right-click the **Canon S820D** printer icon, then select **Properties**.

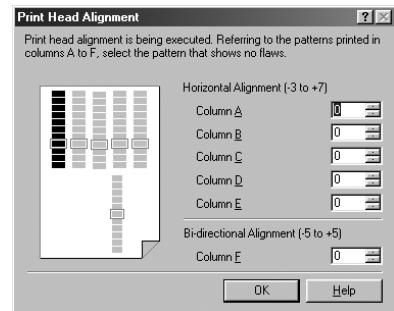
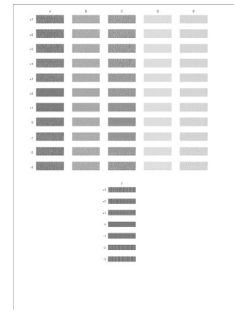
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Printing Maintenance

4. From the **Maintenance** tab, click the **Print Head Alignment** button.
5. When prompted to print an alignment test page, click **OK**.



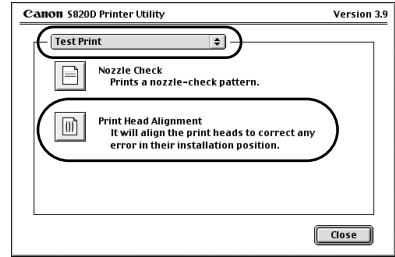
6. If the pattern printed successfully, click **Yes**.
7. Compare the different patterns for each color on the printout.
Notice that most patterns have vertical lines, but some in the middle look smooth and uniform.
8. For each color on the test printout, enter the number in the Print Head Alignment dialog box that corresponds with the smoothest looking test pattern.
9. When finished, click **OK**.



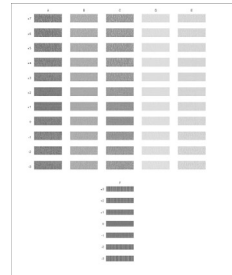
To align the printhead in Mac OS:

1. Add a sheet of blank paper in the sheet feeder.
2. From the **File** menu in a software application, click **Page Setup**.
3. Click the **Utilities** button.

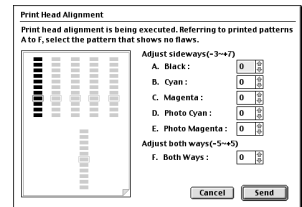
4. Select **Test Print** from the pull-down menu, and click the **Print Head Alignment** button.
5. When prompted to print an alignment test page, click **OK**.



6. Compare the different patterns for each color on the printout.
Notice that most patterns have vertical lines, but some in the middle look smooth and uniform.



7. For each color on the test printout, enter the number in the Print Head Alignment dialog box that corresponds with the smoothest looking test pattern.
8. When finished, click **Send**.



Printing a Nozzle Check Pattern

The contact area of the printhead that discharges ink contains nozzles, tiny openings from which the ink is sprayed. You may see faded or streaked colors and text in your printed output if the nozzles are clogged or the printhead is not aligned. You can check for these problems by printing a nozzle check pattern.



To print a nozzle check pattern in Windows:

1. Make sure the printer is turned on.
2. Click **Start**, then **Settings**, then **Printers**.



Windows XP users: Click **Start**, select **Control Panel**, then **Printers and Other Hardware**, then **Printers and Faxes**.

3. Right-click the **Canon S820D** printer icon and select **Properties**.

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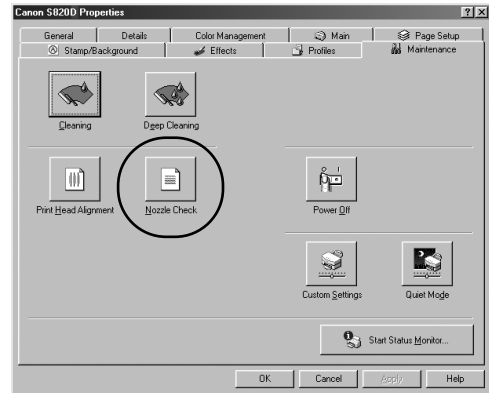
Printing Maintenance

- Click the **Maintenance** tab, then click the **Nozzle Check** button.



Note

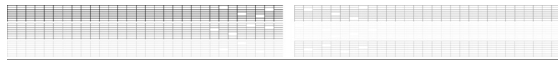
The Maintenance tab button may vary for Windows 2000 and Windows XP.



- Read the messages, then click **OK**. The nozzle test pattern will print.

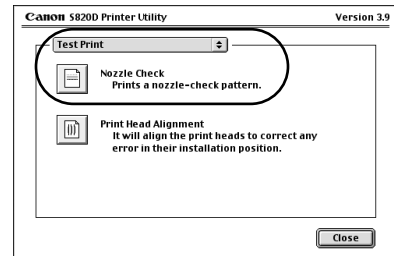
- Check the nozzle check pattern.

- If the lines in the first pattern are broken, the printhead must be cleaned. See “Cleaning the Printhead” on page 53.
- If the vertical lines in the second pattern stand out, the printhead position must be adjusted. See “Aligning the Printhead” on page 49.

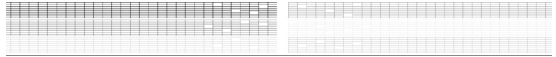


To print a nozzle check pattern in Mac OS:

- Make sure the printer is on.
- In a software application, click **File**, then **Page Setup**.
- Click **Utilities**. The Canon S820D Printer Utility dialog box will display.
- Select **Test Print** from the drop-down list. The test print options will display.
- Click the **Nozzle Check** button. Read the messages, then click **OK**. The nozzle test pattern will print.



6. Check the nozzle check pattern.
If the lines in the first pattern are broken, the printhead must be cleaned. See “Cleaning the Printhead” for instructions.



If the vertical lines in the second pattern stand out, the printhead position must be adjusted. See “Aligning the Printhead” on page 49 for instructions.



Cleaning the Printhead

If your printed output appears faded, streaked or scratchy, the printheads may need to be cleaned. See the *S820D User's Guide* on the Setup Software & User's Guide CD-ROM for additional corrective actions.



Note

Printhead cleaning consumes ink. Avoid unnecessary cleaning.



To clean the Printhead in Windows:

1. Make sure the printer is turned on.
2. Click **Start**, then **Settings**, then **Printers**.



Note

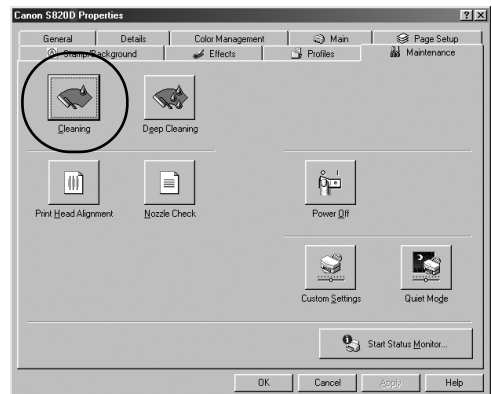
Windows XP users: Click **Start**, select **Control Panel**, then **Printers and Other Hardware**, then **Printers and Faxes**.

3. Right-click the **Canon S820D** printer icon, then select **Properties**.
4. Click the **Maintenance** tab, then click the **Cleaning** button.



Note

The Maintenance tab and procedures may vary for Windows 2000 and Windows XP. Follow the instructions when prompted for those operating systems.



5. For each message displayed, click **OK**.

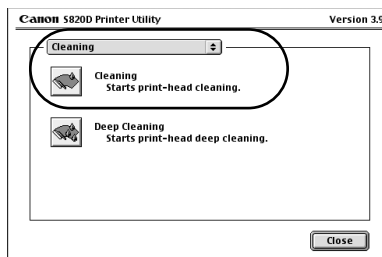
The BJ Status Monitor opens automatically and closes when the printhead cleaning is done. The POWER lamp on the printer flashes green during the cleaning process.

6. Print a nozzle check pattern to check the results of the printhead cleaning. See “Printing a Nozzle Check Pattern” on page 51 for instructions.
7. If there is no change after cleaning, check the amount of ink remaining. If an ink tank is empty, replace it. See “Monitoring Ink Levels” on page 47 for instructions on how to check ink tank levels.



To clean the Printhead in Mac OS:

1. Make sure the printer is on.
2. In a software application, click **File**, then **Page Setup**.
3. Click **Utilities**. The Canon S820D Printer Utility dialog box will display.
4. Select **Cleaning** from the drop-down list. The cleaning options will display.
5. Click the **Cleaning** icon.
6. Read the message, then click **OK**.
7. Print a nozzle check pattern to check the results of the printhead cleaning. See “Printing a Nozzle Check Pattern” on page 51 for instructions.



Chapter 5: Using Your Photo Applications

Several photo applications come with your Canon S820D that make it easy to organize, view, manipulate and print color photographs.

- A browser (**ZoomBrowser EX** for Windows and **ImageBrowser** for Mac OS) provides easy viewing of photos and other images stored on your computer.
- **PhotoRecord™** for Windows can be used to compile digital photos or images into “album” layouts or place multiple images on a single sheet for printing. From PhotoRecord, you can also make high-quality color prints on Canon specialty media.
- **PhotoStitch** helps you to “stitch” together different parts of a single photo, or combine multiple related photos into a panoramic or fully assembled view.

This chapter provides a brief overview of the basic features available with these applications, as well as procedures for printing on Canon Photo Paper Pro for Borderless Printing 4" x 6" paper.

Installing the Photo Applications



To install Zoom Browser EX, PhotoRecord and PhotoStitch in Windows:

1. Close any open applications.
2. Insert the S820D Setup Software & User's Guide CD-ROM in the CD-ROM drive. The installation screen will appear.

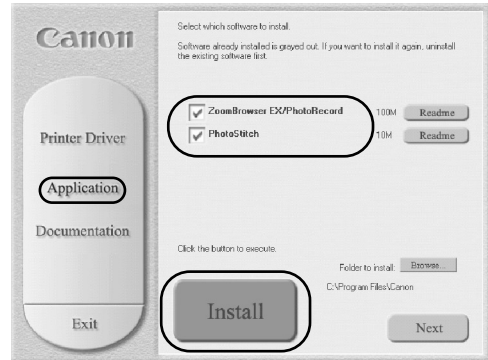


Note

If the setup program does not run automatically, click **Cancel**, then **Exit**. Then, from your program start menu, click **Start**, then **Run**, then type **D:\setup.exe**, where **D** is your CD-ROM drive.

Using Your Photo Applications

3. From the installation main menu, click **Application**. The photo application software options panel will appear.
4. Make sure all the installation options are selected, then click **Install**.
5. Follow the on-screen instructions.
6. When the Terminate Installation dialog box appears, click **OK**.
7. Restart your computer. The photo applications will not be fully functional until your computer has been restarted.



To install ImageBrowser and PhotoStitch in Mac OS:

1. Close any open applications.
2. Insert the S820D Setup Software & User's Guide CD-ROM in the CD-ROM drive. Double-click the **Canon_BJ** icon on your desktop, then double-click the **Application** folder.
3. Double-click on the software folder to be installed, then double-click the **Installer** icon. Read the license agreement and click **Agree**, if you agree.
4. Click **Install**. The Destination Folder dialog box will appear.
5. Select the destination folder, click **Start**, then follow the on-screen instructions.
6. When the Installation Has Finished dialog box appears, click **OK**.
7. Restart your computer. The photo applications will not be fully functional until your computer has been restarted.

Using the Photo Applications

Viewing Images with a Browser

You can use the ZoomBrowser (Windows) or the ImageBrowser (Mac OS) to view or organize digital images stored on your computer, or to view and copy from other sources, such as digital cameras, scanners, Zip® disks or CD-ROMs.



To open ZoomBrowser EX in Windows:

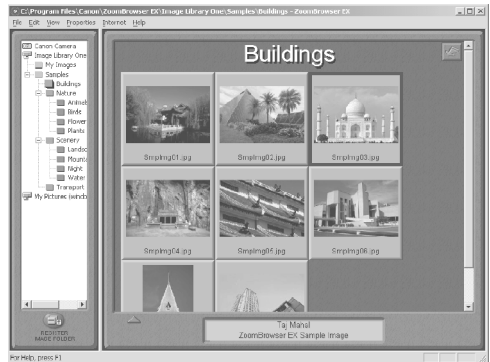
1. Make sure the images you want to view are on your hard drive or other accessible media.
2. Double-click the **Canon ZoomBrowser** icon on the desktop. (You can also open Canon ZoomBrowser by clicking **Start, Programs, Canon Utilities, ZoomBrowser EX**, then **ZoomBrowser**.)
3. From this window, you can:

Navigate through available files from the panel on the left.

View thumbnail images of the files in a folder in the panel on the right.

Organize or delete files.

For a full description of all features and options available, press **F1** to view the online help, or consult the *Photo Application Guide* on your CD-ROM.



To open ImageBrowser in Mac OS:

1. Make sure the images you want to view are on your hard drive or other accessible media.
2. Double-click the **Canon ImageBrowser** icon on the desktop.



Using Your Photo Applications

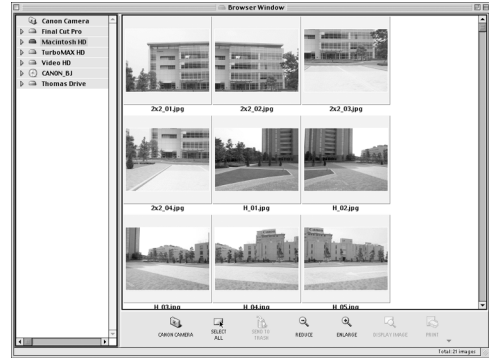
- From this window you can:

Navigate through available files from the panel on the left.

View thumbnail images of the files in a folder in the panel on the right.

Organize or delete files.

For a full description of all features and options available, use Mac Balloon Help, or consult the *Photo Application Guide* on your CD-ROM.



Using PhotoRecord for Windows

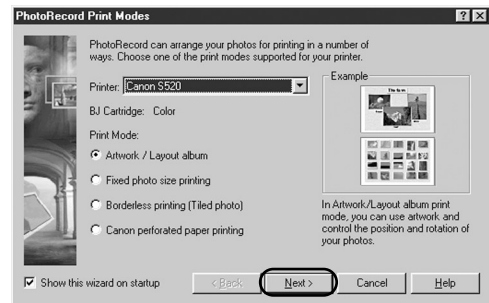
PhotoRecord is a software application that lets you create fun and unique photo albums with the click of your mouse. You can import your photos or graphics from your hard disk, digital camera or scanner, then, using the “drag and drop” feature, you can arrange your album layout. You can rotate your pictures, add captions, change page backgrounds or add a frame around each picture.



To use PhotoRecord:

- Click **Start**, then **Programs**, then **Canon PhotoRecord**, then **PhotoRecord**.
- By default, the **PhotoRecord Print Modes** wizard will appear.

You can use this wizard to select your settings, or you can cancel the wizard.



- Click **File**, then click **Fetch Photos**.

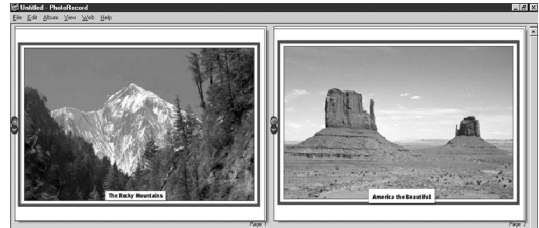


You can also use the **Fetch Photos** feature on the **Album Control Panel**.



- Navigate to the folder where your photos are stored and select the photos you want to place into your album.

5. Arrange the photos as you would like them, or let the automatic layout feature do it for you.
6. When you are ready to print, click **Print** on the **Album Control Panel**.




Merging Multiple Images with PhotoStitch

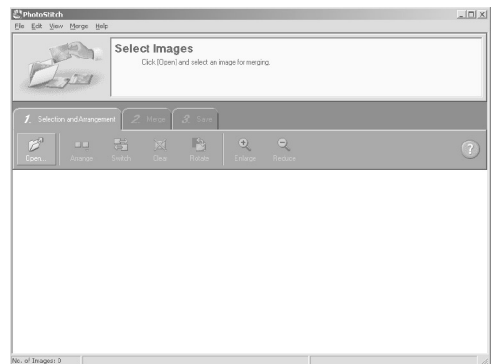
With PhotoStitch, you can merge images in horizontal or vertical sequences, or “stitch” together digital photos or image documents that have been shot or scanned in sections. You can also use PhotoStitch to assemble a series of overlapping images into a seamless panoramic view.



To merge images in Windows:

1. Make sure the images you want to view are on your hard drive or other accessible media.
2. Click **Start**, then **Programs**, then **Canon Utilities**. Click **PhotoStitch 3.1** from the Utilities menu, then click **PhotoStitch** from the final menu. The PhotoStitch Launcher will appear.
3. From this window, click the **PhotoStitch 3.1 Merge Images** icon. The main window will appear.
4. Follow the on-screen instructions to open files, and to arrange, stitch, rotate, enlarge or reduce your images.
5. Once an image is saved, you can preview and/or print it.

For a full description of all features and options available, click the  icon to view the online help, or consult the *Photo Application Guide* on your CD-ROM.

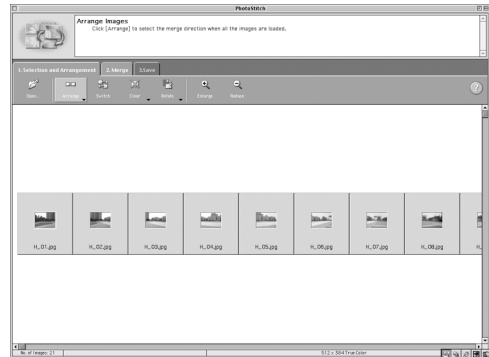



Using Your Photo Applications



To merge images in Mac OS:

1. Make sure the images you want to view are on your hard drive or other accessible media.
2. From within the ImageBrowser window (see “To open ImageBrowser in Mac OS” on page 57), select one or more images. The images will highlight.
3. From the **Edit** menu, click **PhotoStitch**. The PhotoStitch utility will appear.
4. Follow the on-screen instructions to arrange, stitch, rotate, enlarge or reduce your image.
5. Follow the on-screen instructions to open additional files, and to arrange, stitch, rotate, enlarge or reduce your images.
6. Once an image is saved, you can preview and/or print it.



For a full description of all features and options available, click the  icon to view the online help, or consult the *Photo Application Guide* on your CD-ROM.

Printing on Canon Photo Paper Pro for Borderless Printing 4" x 6"

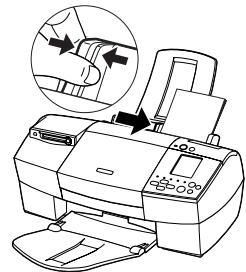
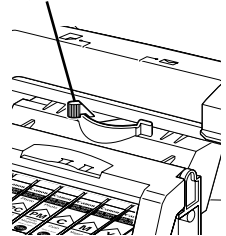
Included with your S820D is the Canon Photo Paper Pro for Borderless Printing 4" x 6" media. This paper is designed to let you print images that cover the entire surface of the card without a white border.

This media is intended for use with PhotoRecord for Windows, version 1.2 or later, or ImageBrowser for Mac OS, version 1.4 or later.

To load Photo Paper Pro for Borderless Printing 4" x 6":

1. Set the paper thickness lever to the left.
2. Slide the paper guide completely to the left.
3. With the glossy side facing up, place a sheet on top of the Loading Support Sheet provided with your Canon Photo Paper Pro for Borderless Printing 4" x 6" media.
4. Align the edges of both sheets.
5. Align the media with the right side of the sheet feeder, then insert both the loading support sheet and the borderless paper into the paper rest, with the print side of the borderless paper on top and facing up.
6. Slide the paper guide right to the edge of the stack.

Paper thickness lever



You can load up to 20 sheets of Canon Photo Paper Pro for Borderless Printing 4" x 6" at a time, with the loading support sheet at the bottom of the stack.

Make sure the loading support sheet is pointing in the direction of the arrow.

To avoid paper jams, never load a sheet that is curled or bent, and make sure the edges of the card and the loading support sheet are aligned before setting them in the paper rest.

Using Your Photo Applications



To print with borderless paper for Windows:

1. Follow the procedures above to load the borderless paper.
2. From ZoomBrowser EX, select the photo to be printed.
3. Click **Print**, then **Layout**. The PhotoRecord Print Modes wizard will appear.
4. Select the desired printer, then select **Borderless Printing (Tiled photo)** from the Print Mode options.



The **Borderless Printing (Tiled photo)** check box is available only when you are using a printer which supports this feature.

5. Click **Next**.
6. Specify **Media Type**, **Paper Size** and **Orientation**. The Preview area will show the print image in relation to the paper.
7. Click **Set Page Margins** to widen or narrow the printing area, then click **OK**, then **Next**.
8. Specify the number of photo tiles you want to place in a single page. Select **1 (1 row)** when printing a photo with no margins. If you select the **Automatic Clipping** check box, PhotoRecord automatically resizes and clips the photos to fit the specified photo size.
9. Click **Finish**. The photo will be automatically positioned to fit the paper settings. Click **Print** to start printing.



In PhotoRecord, page backgrounds and photo frames are not available when using the Borderless Print (Tiled photo) mode. However, you can add text blocks, clip your photos (with some limitations), or specify print quality and number of copies to print. You cannot resize your photos or modify the layout.



To print with borderless paper in Mac OS:

1. Follow the procedures in “To load Photo Paper Pro for Borderless Printing 4" x 6"” on page 61 to load the borderless paper.
2. From ImageBrowser, select the photo to be printed. Locate the Print button along the bottom and click **Print**.
3. Select **Layout Printing**. The Layout Options wizard will appear.
4. Select **Tiled photo**, then click **Next**.
5. Click **Page Setup**. The Page Setup dialog box will appear.
6. Click **Borderless Printing**, then select **4 x 6** under **Paper Size**, then select the proper option under **Orientation**. Click **OK**.
7. When the “You selected Borderless Printing” dialog box appears, click **OK**.
8. Specify the number of images you want to place in a single page. Select **1 (1x1)** when printing a photo with no margins. If you select the **Automatic Clipping** check box, ImageBrowser automatically resizes and clips the photos to fit the specified photo size.
9. Click **OK**. The photo will be automatically positioned to fit the paper settings. Click **Print** to start printing.

Chapter 6:

Troubleshooting

Tips for Troubleshooting

Troubleshooting usually falls into one of the following categories:



Installation The printer driver will not install properly.



Printer Hardware The printer is not working or not working as expected.



Printed Output The printed output is not coming out as expected.



Error Message You are getting an error message from the software (displayed on the screen), the printer (indicated by blinking lights), or the Operation Panel on the printer.






Customer Care Center Canon offers a full range of customer technical support options.

If you encounter difficulties during installation or operation of your Canon S820D photo printer, quickly scan all topics until you find a description that approximates your difficulty. Go through the related solutions until you find one that works.





Troubleshooting Installation



PROBLEM	POSSIBLE CAUSE	TRY THIS
Cannot install the printer driver	Procedure not followed correctly	See “Installing the Printer Driver” on page 79, or see the <i>S820D User’s Guide</i> on the Setup Software & User’s Guide CD-ROM for more information.
	Previous version of printer driver or same printer driver already installed on computer	Always uninstall the previous version of the printer driver before installing the new version. See “Uninstalling the Printer Driver” on page 81.
	Other applications running in the background	Other open applications on your computer can interfere with the installation routine. Close any software applications, including any virus detection software, on your computer before reinstalling the printer driver. See “Installing the Printer Driver” on page 79.
	Installation not starting automatically when CD is inserted into drive	 WINDOWS If printer driver installation did not start automatically when you loaded the CD-ROM: <ol style="list-style-type: none"> 1. Double-click My Computer on the Windows desktop, then double-click the CD-ROM drive. For Windows XP, click Start, then My Computer, then CD-ROM drive. 2. Double-click msetup.exe. If you install the printer driver by clicking Start , then Run , specify the correct CD-ROM drive and file name (D:\msetup.exe , where D is the CD-ROM drive).
	CD-ROM drive not specified	Normally, after you insert the S820D CD-ROM the setup dialog box displays automatically. If it does not:  WINDOWS <ol style="list-style-type: none"> 1. Double-click My Computer on the Windows desktop, then double-click the CD-ROM drive. For Windows XP, click Start, then My Computer, then CD-ROM drive. 2. Double-click msetup.exe.  MAC® OS Double-click the CD-ROM icon on your desktop.



PROBLEM	POSSIBLE CAUSE	TRY THIS
Cannot install the printer driver (continued)	CD-ROM drive not working properly	<div>  WINDOWS Use My Computer to confirm that the CD-ROM is operating normally: <ol style="list-style-type: none"> From the Desktop, double-click My Computer, then CD-ROM. For Windows XP, click Start, then My Computer, then CD-ROM drive. If the files do not appear, refer to your Windows documentation for more information. </div> <div>  MAC OS Open the Apple System Profiler, click Devices and Volumes, then open the CD-ROM. </div>
	Computer cannot detect a printer port	<p>Verify that the correct cable is connected to both your printer and your computer, and that the connection is secure.</p> <p>Verify that the printer is turned on and the POWER lamp is a steady (non-blinking) green.</p> <p>If this does not handle the problem, exit the installation procedure and reinstall the software again.</p> <p>Also see the <i>S820D User's Guide</i> on the Setup Software & User's Guide CD-ROM for more information.</p>





Troubleshooting Printer Hardware



PROBLEM	POSSIBLE CAUSE	TRY THIS
Printer is not responding	Paper jams in the printer	<p>Media jammed during automatic feed</p> <ol style="list-style-type: none"> 1. Gently pull the jammed paper out of the sheet feeder slot or the paper output slot, whichever is easier. If the paper tears and some of it is left in the printer, turn the printer off, open the front cover, and remove the pieces of paper. If the paper will not pull out of the printer easily, do not force it. 2. Reload paper into the automatic sheet feeder, then press RESUME on the printer. <p>If you turn the printer off, your print job data will be lost. Print the job again.</p> <p>Use a standard paper size whenever possible to prevent jams.</p>
	Power cable is not securely connected	Verify that the power cable is securely connected to the printer and plugged into a working outlet.
	Printer is not turned on, or is not ready	<p>Verify that the POWER lamp is on and glowing a steady green.</p> <p>If the light is off, press the POWER button. The green light will blink as the printer is warming up, then go to a steady (no blink) state when the printer is ready.</p> <p>If the POWER lamp is blinking green, this indicates that the printer is warming up or is processing a print job.</p> <p>If the POWER lamp blinks orange, or green and orange alternately, see “Handling Error Messages” on page 73.</p>
	Computer and/or printer needs reset	<p>Reboot the computer and/or reset the printer.</p> <p>To reboot the computer, close all open applications, then restart.</p> <p>To reset the printer, turn it off, then on again.</p>
	Printer and computer cabled together incorrectly	Reconnect the printer cable to the correct port, with the correct cable. See the <i>S820D User's Guide</i> on the Setup Software & User's Guide CD-ROM for more information.
	Bad cable	Replace the printer cable.



PROBLEM	POSSIBLE CAUSE	TRY THIS
Printing is slow	Incorrect printer driver or settings	Altering driver settings may improve print speed. For example, draft mode is faster than normal mode, but the quality of the print is lower. “Setting Driver Options” on page 12 for instructions on selecting the optimum print mode for a print job.
	Computer resources are low; not enough memory	You may not have enough memory (RAM) on your computer. Close any open applications that are not needed for printing. If the problem persists, consider adding more memory to your computer.
	Computer resources are low; not enough disk space	<p>When a print job is sent to the printer, it first goes to a temporary print spool. If the file is large and you have limited disk space available, this can slow or stop printing.</p> <div>  WINDOWS Delete all temporary files (.tmp). If you have Windows 98 or later, you can also run the Disk Cleanup utility: <ol style="list-style-type: none"> 1. From the Start menu, click Programs, then Accessories, then System Tools, then Disk Cleanup. 2. Select the drive you want to clean, then click OK. 3. Check Temporary Files, then click OK. The files will be deleted. </div> <div>  MAC OS If you run out of disk space on your computer, copy any unused files to floppies, a zip disk or other removable media, then delete the files from your hard disk by dragging into the trash. </div>



PROBLEM	POSSIBLE CAUSE	TRY THIS
Printer tried to print but no ink on paper	Ink tanks are not seated properly	Check the ink tanks, and reseal them if necessary. See “Replacing Ink Tanks” on page 49.
	Printhead clogged	Verify that the printhead is working properly. See “Printing a Nozzle Check Pattern” on page 40, or “Cleaning the Printhead” on page 41. If necessary, perform multiple printhead cleanings. See the <i>S820D User’s Guide</i> on the Setup Software & User’s Guide CD-ROM for more information.
	Ink tanks may need to be replaced	Verify that you have sufficient ink in the ink tanks. See “Using a Memory Card” on page 28. If necessary, replace the ink tanks. See “Replacing Ink Tanks” on page 49.
	Printhead may need to be replaced	Verify that the printhead is working properly. See “Printing a Nozzle Check Pattern” on page 40, or “Cleaning the Printhead” on page 41. If necessary, perform multiple printhead cleanings. See “Cleaning the Printhead” on page 41, or the <i>S820D User’s Guide</i> on the Setup Software & User’s Guide CD-ROM for more information.



Troubleshooting Printed Output



PROBLEM	POSSIBLE CAUSE	TRY THIS
Printout and screen image colors appear different	Low ink	Verify that you have sufficient ink in the ink tanks. See “Monitoring Ink Levels” on page 47.
	Printhead may need to be replaced	Verify that the printhead is working properly. See “Printing a Nozzle Check Pattern” on page 40, and/or “Cleaning the Printhead” on page 41. If necessary, perform multiple printhead cleanings. See “Cleaning the Printhead” on page 41, or the <i>S820D User’s Guide</i> on the Setup Software & User’s Guide CD-ROM for more information.
	Printhead not seated correctly	Reseat printhead. See the <i>S820D User’s Guide</i> on the Setup Software & User’s Guide CD-ROM for procedures.
	Incorrect printer driver or settings	Altering driver settings may improve the appearance of your printed image. See “Setting Driver Options” on page 12 for instructions on selecting the optimum print mode for a print job.
	Color settings need to be adjusted	You can enhance the color on your printout. See “Adjusting Color Balance, Brightness and Saturation” on page 21.
Printed colors are incorrect	One or more ink tanks are installed in the wrong position	Verify that each ink tank is lined up with the correct color label in the printhead. For more information, see “Replacing Ink Tanks” on page 49.
Smudged or smeared ink on paper	Ink tanks are not seated properly	Check the ink tanks, and reseal them if necessary. See “Replacing Ink Tanks” on page 49.
	Printhead clogged	Verify that the printhead is working properly. See “Printing a Nozzle Check Pattern” on page 40, or “Cleaning the Printhead” on page 53. If necessary, perform multiple printhead cleanings. See the <i>S820D User’s Guide</i> on the Setup Software & User’s Guide CD-ROM for more information.
	Ink tank may need to be replaced	Verify that you have sufficient ink in the ink tanks. See “Monitoring Ink Levels” on page 47. If necessary, replace the ink tanks. See “Replacing Ink Tanks” on page 49.



PROBLEM	POSSIBLE CAUSE	TRY THIS
Smudged or smeared ink on paper (continued)	Printhead may need to be replaced	Perform multiple printhead cleanings. See “Cleaning the Printhead” on page 41, or the <i>S820D User’s Guide</i> on the Setup Software & User’s Guide CD-ROM for more information.
Printed output is faded or unclear	Media not loaded print-side up	Check that your media is placed in the printer facing in the correct direction. See “Loading Media into the S820D” on page 7.
	Low ink	Verify that you have sufficient ink in the ink tanks. See “Monitoring Ink Levels” on page 47.
	Printhead nozzles clogged or damaged	Verify that the printhead is working properly. See “Printing a Nozzle Check Pattern” on page 40, and/or “Cleaning the Printhead” on page 41. If necessary, perform multiple printhead cleanings. See the <i>S820D User’s Guide</i> on the Setup Software & User’s Guide CD-ROM for more information.
	Ink tanks are not seated properly	Check the ink tanks, and reseal them if necessary. See “Replacing Ink Tanks” on page 49.
	Printhead needs to be aligned	Perform printhead alignment. See “Aligning the Printhead” on page 49.
Meaningless characters printed	Corrupted print instructions are stored in the printer buffer.	1. Turn the printer off to clear the printer buffer. 2. Turn the printer on again.
	Previous print job paused before it was finished	If a previous print job was paused before it was printed, turn the printer and the computer off, then turn both back on again, <i>or</i> cancel any print jobs using the BJ Status Monitor or BJ Print Monitor. See “Cancelling a Print Job” on page 11.
	Printer and computer not connected securely	Check the cable connections between the printer and the computer to verify that they are securely connected.
	Incorrect printer driver selected	Check the Printer dialog box to verify that the correct printer driver is selected.
	Bad (corrupted) file	Create the document again and print it. If it prints successfully, the original file was corrupted.









Handling Error Messages



PROBLEM	POSSIBLE CAUSE		TRY THIS
Printer does not print	When an error occurs, the POWER lamp blinks. Count the number of orange blinks between each green blink to identify the problem:		
	Printer blinks green	When the lamp blinks green, the printer is warming up or is receiving print data from the computer. This is not an error condition.	
	2 orange blinks (paper is out, paper jam or paper feed error)	Reload the paper correctly. See “Loading Media into the S820D” on page 7 for how to load different types of media. If the paper is jammed, see the troubleshooting topic, “Paper jams in the printer” on page 68.	
	3 orange blinks (paper jam)	See the troubleshooting topic, “Paper jams in the printer” on page 68.	
	4 orange blinks (ink tank is out of ink)	Replace the empty ink tank. See “Monitoring Ink Levels” on page 47 and “Replacing Ink Tanks” on page 49.	
	5 orange blinks (printhead not installed correctly)	Reseat printhead. See the <i>S820 User's Guide</i> on the Setup Software & User's Guide CD-ROM for procedures.	
	6 orange blinks (printhead not installed)	Install the printhead. If already installed, remove it, then check the electrical contact area for any blockage or protective tape. Re-install it when done. See the <i>S820D User's Guide</i> on the Setup Software & User's Guide CD-ROM on the CD-ROM for procedures. (Note: The printer will blink only if it's a self-test.)	
	7 orange blinks (printhead defective)	Make sure that you are using the printhead designed specifically for the S820D. Turn the printer off and on. If the problem persists, contact the Customer Care Center.	
	Printer blinks green and orange alternately (service error)	If the printer starts blinking green and orange alternately, turn the printer off, unplug it from the power outlet, and wait a few minutes. Plug it into the power outlet again, turn on the printer, then restart the print job. If the problem persists, contact the Customer Care Center.	



PROBLEM	POSSIBLE CAUSE	TRY THIS
Low ink alert displays in the BJ Print Monitor	One or more of the ink tanks is low	<p>When Backgrounding is turned on, you can confirm the low ink alert in the BJ Print Monitor. (See “Monitoring Ink Levels” on page 47.)</p> <p>After the alert displays, you can continue printing for a short time, but have a replacement ready to install.</p> <p> WINDOWS The low ink alert displays in the BJ Status Monitor. See “Monitoring Ink Levels” on page 47.</p> <p> MAC OS The low ink alert displays in the BJ Print Monitor before a print job starts. See “Monitoring Ink Levels” on page 47.</p>
Error message displays in the BJ Status Monitor	Printer is out of paper, ink is low, paper jam	<p> WINDOWS The BJ Status Monitor opens and displays a message when an error occurs.</p> <p>Read the error message, then click the Guide tab to display more information about solving the problem.</p> <p> MAC OS If Backgrounding is turned on with the Chooser, the BJ Print Monitor displays an error.</p> <p>Follow the instructions in the message to resolve the problem.</p> <p>See the <i>S820D User's Guide</i> on the Setup Software & User's Guide CD-ROM for more information on error messages.</p>
System error message displays	System error occurred	<p>If a system error occurs, printing stops.</p> <p> WINDOWS A dialog box displays the error message. System errors may include problems writing to USBPRN, application errors, or general protection faults. Make sure that the printer is turned on, the printer and computer are connected securely, and that the printer port is operating correctly.</p> <p> MAC OS The error message contains an error code *XXX, where * is a letter and XXX is a number, which represents the cause of the error. Make sure that the printer is turned on, the printer and computer are connected securely, and that the printer port is operating correctly.</p>



Handling Error Messages While Using the Operation Panel

If an error number is displayed on the Operation Panel, correct the error according to the procedure below.



Note

- If the display or buttons on the Operation Panel are not operating properly, even though an error is not displayed, turn off the printer, unplug the power cord, and then turn on the printer again.
- The color of the ink tank affected by the error can be checked in Media Type. An error has occurred in the ink tank indicated by the blinking position.



ERROR NUMBER	PROBLEM	TRY THIS
001	Printer is being used	Printing starts when printing from the computer is completed. Press the Cancel button to stop printing.
002	Cause: Printer is not ready	Wait until preparations are completed. Printing will start when preparations are completed.
101	Ink level is low	Prepare a replacement ink tank. Press the Print button to restart printing even though the print level is low. Printing will start when the ink tank is replaced. Press the Cancel button to stop printing.
102	Position of paper thickness lever is not correct	Printing will start when you set the paper thickness lever to the correct position. Press the Print button to start printing with paper thickness lever position that is currently set. Press the Cancel button to stop printing.
103	Position of paper thickness lever is incorrect and ink level is low	Prepare a replacement ink tank. Replace the ink tank, and set the paper thickness lever to the correct position to start printing. Press the Print button to restart printing under the current conditions.
201	Ink has run out	Press the Cancel button to stop printing, and then replace the ink tank. Press the Reset button on the printer to start printing without any ink.
202	Waste ink tank is full	Press the Reset button on the printer to restart printing. Immediately contact the store where you bought the printer or a repair center and request replacement of the waste ink tank.
301/302	No paper, paper cannot be fed, or paper jam	Load paper correctly, and press the Reset button on the printer to start printing. If a sheet is jammed, remove the jammed sheet, load paper correctly, and then press the Reset button on the printer.



ERROR NUMBER	PROBLEM	TRY THIS
401	Front cover is open	Close the front cover to start printing.
402	Printhead is not attached	Attach the printhead. If the printhead is attached, remove the printhead, make sure that the contact sections are clean, and then reattach the printhead.
611/612	Time Out is activated during communication with the digital camera. OR A message, to the effect that the main unit does not support the digital camera, is sent	Remove the connected cable to reset the error. Reconnect the cable to the digital camera, and then start printing. For instructions on printing from a digital camera, see the user's guide that comes with the digital camera.
802, 803, 809	Error occurred in printer	Press the Cancel button to stop printing, turn off the printer, wait awhile, and then turn on the power again. If the condition does not improve, contact the store where you bought the printer or a nearby repair center.
—	Photo cannot be read from memory card (indicator lamp does not go on)	Properly set a memory card that can be used. See "Using a Memory Card" on page 28. If a memory card is already set, eject the card, set it again, and check that the indicator lamp goes on. If the error is not corrected by the above procedure, turn off the printer, unplug the power cord, and then turn on the power again.

Customer Care Center

Canon offers a full range of customer technical support* options:

- For e-mail support, the latest driver downloads and answers to frequently asked questions (**www.canontechsupport.com**)
- 24-hour, 7-day-a-week automated support for troubleshooting issues on most current products (**1-800-423-2366**)
- 24-hour, Fax-On-Demand System for product specifications and technical information (**1-800-526-4345**)
- Free technical support Monday–Saturday (excluding holidays) for products still under warranty** (**1-757-413-2848**)
- Technical support 7 days a week (excluding holidays) for products no longer under warranty, at \$9.99 per incident (**1-757-413-2848**)



Note

Within Canada, call for technical support 24 hours a day, 7 days a week (**1-800-OK-CANON**).

* Support program specifics are subject to change without notice.

** Refer to the product information starting on page 90 for warranty details.

Appendix

The following topics are included in this appendix:

- Installing the Printer Driver
- Uninstalling the Printer Driver
- Registering Your Canon Product
- System Requirements
- Safety Information
- Regulatory Information
- Product Specifications
- Limited Warranty—U.S. Only

Installing the Printer Driver

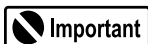


To install the printer driver in Windows:



When installing the printer driver in Windows XP/Windows 2000, log on to the system as a member of the **Administrators** group.

1. Be sure the printer is off before continuing.
2. Make sure the USB cable between the printer and computer is securely connected.
3. Turn the computer on, then insert the S820D Setup Software & User's Guide CD-ROM in the CD-ROM drive. The setup program should run automatically.



If the printer was turned on when the setup program ran, the Add New Hardware Wizard will appear. Do **NOT** use the wizard—click **Cancel** to close the dialog box and continue.



If the setup program does not run automatically, click **Start**, then **Run**, then type **D:\msetup.exe** (where **D** is the CD-ROM drive).

4. Read the License Agreement, then click **Yes** if you agree.



Note

If a message prompts you to restart Windows, remove the CD-ROM, then click **OK**. After the computer restarts, re-insert the CD-ROM and continue.

5. When the main menu appears, make sure that the Printer Driver is highlighted, then click **Install**. The printer driver will load automatically.
6. When prompted, turn on the printer so the printer port (connection) can be automatically detected. When the printer port has been identified, click **OK**.



Important

If your computer cannot detect a printer port, see the troubleshooting tip for “Computer cannot detect a printer port” on page 67.

7. When the Terminate Installation dialog box appears, click **OK**.
8. Register your product by following the on-screen instructions.
9. Proceed to install the Application. Follow the on-screen instructions. This may take a few minutes.
10. When the installation process has completed, you can view any electronic documentation. If you do not wish to at this time, click **Exit**.
11. Click **Yes** if you are prompted to restart the computer.



To install the printer driver in Mac OS:

1. Prepare your Mac (if needed).
 - If you have multiple users set up in OS 9, log in as the Owner.
 - To install the printer on a network, see the *S820D User's Guide* on the Setup Software & User's Guide CD-ROM.
2. Close any open software applications.
3. Insert the S820D Setup Software & User's Guide CD-ROM in the CD-ROM drive.
4. Open the printer driver folder on the CD-ROM.
5. Double-click the **Installer** icon.

6. Read the License Agreement, then click **Accept** if you agree.
7. Click **Install**. The the printer driver will load automatically.

**Note**

If a “No other applications can be running...” message displays, click **Continue**.

8. When the installation has completed, click **Restart**.
9. After the computer restarts, select the **Apple** menu, then **Chooser**.
10. Click the **S820D** icon in the Chooser.

**Note**

To use the BJ Print Monitor, you must click the **Background** button to the **On** position.

11. Close the Chooser.

Uninstalling the Printer Driver



To uninstall the printer driver in Windows:

1. Click **Start, Programs**, then **Canon S820D**.
2. Click **Uninstall**.
3. Click **Yes** to confirm that you want to uninstall the printer driver.



To uninstall the printer driver in Mac OS:

1. Insert the S820D Setup Software & User's Guide CD-ROM in the CD-ROM drive.
2. Double-click **Printer Driver**.
3. Double-click **Installer**.
4. Read the License Agreement, then click **Accept** if you agree.
5. Select **Uninstall** from the drop-down list.
6. Click **Uninstall**.

Registering Your Canon Product

To register your Canon product:

Visit www.registercanon.com and follow the on-screen instructions.

System Requirements

Windows 98: 486 processor; 16 MB RAM; 15 MB free hard disk space

Windows 2000: Pentium® processor, 133 MHz or faster; 32 MB RAM for Professional, 64 MB RAM for Server; 25 MB free hard disk space

Windows Me: Pentium processor, 150 MHz or faster; 32 MB RAM; 40 MB free hard disk space

Windows XP: Pentium processor; 128 MB RAM; 25 MB free hard disk space

Mac OS: OS 8.6 - Mac OS 9.x; USB port; 12 MB RAM; 30 MB free hard disk space



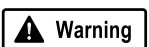
Note

If you have multiple users set up in OS 9, log in as the Owner before downloading and installing.

Safety Information

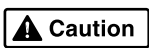
Warnings and Cautions

This guide uses the following icons to indicate situations that could cause damage or injury:



Warning

Always follow the instructions provided in Warnings to prevent potential serious personal injury or death as a result of careless operation of the equipment.



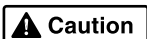
Caution

Always follow the instructions provided in Cautions to prevent minor injuries to yourself or damage to the equipment as a result of careless operation of the equipment.

Read and follow all of these cautions and warnings to ensure the safe use of the printer. To avoid the hazards of fire, personal injury, or damage to the printer,

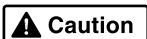
never attempt to use the printer in any way other than the methods described in this guide.

Choosing a Location



Never place the printer near flammable solvents such as alcohol, thinner, etc. To avoid the hazards of fire or electric shock, keep all flammable liquids away from the printer.

- Never set the printer on a surface that is unstable or subject to excessive vibration. The printer could tip or fall and cause injury.
- Never use the printer in a location that is subject to high humidity, dust, high temperatures, or direct sunlight.
- Set up and use the printer in a location where ambient temperature is within 41°F–95°F (5°C–35°C) and 10%–90% humidity with no condensation.



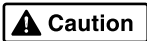
Never place the printer on a thick carpet or rug. Fibers or dust entering the printer could cause a fire.



Keep the power outlet for the printer free of all obstacles so you can unplug the power cord at any time. Such obstacles could prevent you from unplugging the printer when a printer fault occurs and cause a fire or electric shock. The socket-outlet shall be installed near the equipment and shall be easily accessible.

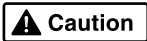
- Always carry the printer with both hands holding both ends of the printer. To avoid dropping the printer and causing injury, always carry it carefully when moving it to another location.

Power Supply

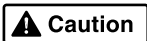


Never attempt to plug the power cord into a power outlet when your hands are wet. To avoid electric shock, make sure that your hands are dry.

- Always push the plug completely into the power outlet. A loose or poorly connected plug could cause a fire or electric shock.



Never cut, modify, stretch, bend, or twist the power cord, and never place heavy objects on the power cord. A power leak from a damaged power cord could cause a fire or electric shock.



Never plug the printer power cord into a power outlet (power board, double adapter, etc.) that is shared by other devices or office equipment. To prevent the hazards of fire or electric shock, avoid overloading power points.

- Never use the printer if the power cord is bundled or knotted. To prevent the hazards of fire or electric shock, make sure the power cord is straight.

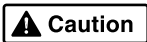


If you detect smoke, unusual odors, or strange noises around the printer, immediately press the POWER button to turn off the printer and disconnect the power plug. To avoid fire or electric shock, never use the printer under these conditions. Call the Canon Customer Care Center.

- Always grasp the plug when you unplug the power cord. Pulling on the power cord could damage the cord and cause a fire or electric shock.



Never use an extension cord. To avoid a fire or electric shock, always plug the power cord directly into the power outlet.

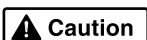


Never use a power supply voltage other than that supplied in the country where you purchased the printer. Using incorrect voltage could cause a fire or electric shock. The correct power supply voltage for this printer is AC 120V, 60 Hz.

Cleaning and Maintaining the Printer

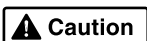
- Use only a slightly damp cloth to clean the printer. Never use flammable solvents like alcohol, benzene, thinner, etc. If a flammable solvent contacts an electrical component inside the printer, a fire or electric shock could result.
- Always unplug the printer power cord before you clean the printer. If you mistakenly turn on the printer while cleaning it, you could touch moving components inside the printer and suffer injury.
- Never attempt to disassemble or modify the printer. The printer contains high voltage components which could cause a fire or serious electric shock.

Working Around the Printer



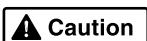
Caution

Never use flammable sprays near the printer. Gases in the spray could cause a fire or electric shock if they come in contact with electrical components inside the printer.



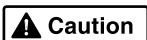
Caution

Never insert your fingers or hands inside the printer while it is printing. The printer contains moving parts which could cause injury.



Caution

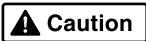
Never place anything on top of the printer, especially metal objects (paper clips, staples, etc.), or containers with flammable solvents (alcohol, thinners, etc.) Objects falling into the printer could cause a fire or electric shock.



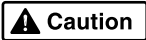
Caution

If any foreign object, especially a piece of metal or liquid, falls into the printer, immediately press the POWER button to turn off the printer, unplug the power cord, then call the Customer Care Center. Continuing to use the printer after a foreign object has fallen into it could cause a fire or electric shock.

Printhead and Ink Tanks



For safety, always store printhead and ink tanks out of the reach of small children. If a child accidentally licks or ingests any ink, consult a physician immediately.



Never subject a printhead or ink tank to shocks or excessive vibration. Shaking could cause ink to leak and stain clothing and nearby surfaces.



Never touch the printhead or electrical contacts on a printhead immediately after removing it from the printer. These metal parts become very hot during printing and could cause minor burns.

Turning Off the Printer

To avoid printer malfunction always use the POWER button to turn the printer on and off. Never remove the power cord from the power outlet until you have turned off the printer by pressing the POWER button. After the POWER lamp goes out, you can unplug the power cord from the power outlet.

Using the Printer Near Appliances and Fluorescent Lamps

Allow at least 6 inches clearance between the printer and another appliance or a fluorescent lamp. Electrical noise generated by a fluorescent lamp placed too close to the printer could cause the printer to malfunction.

Regulatory Information

Color Photo Printer Model: K10212 (S820D)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is

encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. Should such changes or modifications be made, you could be required to stop operation of the equipment.

Use of shielded cable is required to comply with Class B limits in Subpart B of Part 15 of FCC Rules.

Canon U.S.A., Inc.

One Canon Plaza, Lake Success, NY 11042, U.S.A.

1-516-328-5600

Canadian Radio Interference Regulations

This digital apparatus does not exceed Class B limits for radio noise emissions from a digital apparatus as set out in the interference-causing equipment standard entitled “Digital Apparatus”, ICES-003 of the Industry of Science Canada.

Cet appareil numérique respecte les limites de bruits radioléctriques applicables aux appareils numériques de Classe B prescrites dans la norme sur le matériel brouilleur: “Appareils Numériques”, NMB-003 édictée par l’Industrie et Sciences Canada.

Product Specifications

Printing method:	Bubble Jet ink on-demand
Printing resolution:	2400 x 1200 dpi
Print speed:	4" x 6" and 8" x 10" photo print speeds are based on standard (default) mode on Photo Paper Pro. Print speed will vary depending on system configuration, software, document complexity, print mode and page coverage.
Color photo (4" x 6"):	Approx. 1 minute
Color photo (8" x 10"):	Approx. 2 minutes
Print direction:	Bi-directional
Print width:	8.0 inches maximum (203.2 mm) (for borderless printing 8.5 inches/216.0 mm)
Resident print control mode:	Canon extended mode
Receiver buffer:	80KB
Interface:	USB 1.1-compatible
Interface connector:	USB standard Series B receptacle (USB Interface)
Recommended printer cable (USB):	
Material:	AWG28 (data wiring pair) or AWG20 to 28 (distribution pair)
Type:	Twisted-pair shielded cable
Length:	Up to 6.5 feet (2.0 m)
Connectors:	USB standard Series B pluggable
Acoustic noise level:	Approx. 37 dB (A) (in the best quality mode)
Operating environment:	
Temperature:	41°F to 95°F (5°C to 35°C)
Humidity:	10% to 90% RH (no condensation)
Storage environment:	
Temperature:	32°F to 95°F (0°C to 35°C)
Humidity:	5% to 90% RH (no condensation)
Power supply:	AC 120 V, 60 Hz
Power consumption:	
Standby:	Approx. 8 W
Printing:	Approx. 29 W
Dimensions:	(without a paper rest and paper output tray) 16.9" (W) x 11.6" (D) x 7.0" (H)
Weight:	Approx. 11 lb. (5.8 kg)
Feed method:	Continuous feed through auto sheet feeder for Plain Paper, Envelopes, High Resolution Paper, Glossy Photo Paper, High Gloss Photo Film, Glossy Photo Cards, Photo Paper Pro, Transparencies, T-Shirt Transfers, and Banner Paper

Sheet feeder capacity (maximum):

Plain paper (17 lb.)	100 sheets
High Resolution Paper	80 sheets
Envelopes	10 envelopes
Glossy Photo Paper	1 sheet
High Gloss Photo Film	1 sheet
Glossy Photo Cards	20 sheets
Photo Paper Pro	1 sheet
Photo Paper Pro for	
Borderless Printing 4" x 6"	20 sheets
Photo Paper Pro 4" x 6"	20 sheets
Transparencies	30 sheets
T-Shirt Transfers	1 sheet
Banner Paper	1 sheet (can print up to 6 connected sheets)
Magnet Sheets	1 sheet

Ordinary print media:

Regular size:	Letter, Legal, 4" x 6", A4, A5, B5, US Com. #10, European DL envelopes
Custom size:	Width: 3.54 to 8.5 in (90.0 to 215.9 mm) Height: 4.72 to 23.0 in (120.0 to 584.2 mm)
Weight:	Automatic feed: 17–28 lb. for non-Canon brand media

Graphic image printing:

Data format:	Canon extended mode raster image format
Resolution:	Canon extended mode 600, 1200, 2400 dpi
Printhead:	Nozzles: 1,536 (256 per color)

Ink tanks capacity (page):

Black (BCI-6BK):	Approx. 620 ¹ , approx. 1150 ²
Cyan (BCI-6C):	Approx. 980 ²
Magenta (BCI-6M):	Approx. 740 ²
Yellow (BCI-6Y):	Approx. 480 ²
Photo Cyan (BCI-6PC Photo):	Approx. 430 ²
Photo Magenta (BCI-6PM Photo):	Approx. 280 ²

¹ 1500 characters per page, normal text, at standard and plain paper mode with Windows Me/Windows 98/Windows 95

² Based on printing the ISO JIS-SCID No.5 pattern selecting **Print a top-quality photo** and **plain paper** in the Print Advisor dialog box with Windows Me/Windows 98

Limited Warranty—U.S. Only

The limited warranty set forth below is given by Canon U.S.A., Inc. (“Canon”) with respect to the Canon brand computer peripheral product (the “product”) that you have purchased, when purchased and used in the United States. The product that you have purchased is the only product to which this warranty card and the limited warranty provided by Canon and stated on the card apply.

Your product, when delivered to you in new condition in its original container, is warranted against defects in materials or workmanship as follows: for a period of one (1) year from the date of original purchase, defective parts or a defective product returned to a Canon repair facility or a Canon Authorized Service Facility (“ASF”) for such product, as applicable, and proven to be defective upon inspection, will be exchanged for new or comparable rebuilt parts, or a refurbished product, as determined by the Canon repair facility or the ASF. Warranty repair or replacement shall not extend the original warranty period of the defective product. This limited warranty does not cover any supplies or accessories, including without limitation, ink cartridges and ink tanks, as to which there shall be no warranty or replacement.

This limited warranty shall only apply if the product is used in conjunction with compatible computer equipment and compatible software, as to which items Canon shall have no responsibility.

Non-Canon brand equipment and software that may be distributed with the product are sold “as is,” without warranty of any kind by Canon, including any implied warranty regarding merchantability or fitness for a particular purpose, and all such warranties are disclaimed. The sole warranty, if any, with respect to such non-Canon brand items is given by the manufacturer or producer thereof.

This limited warranty covers all defects encountered in normal use of the product, and does not apply in the following cases:

- (a) Loss of or damage to the product due to abuse, mishandling, improper packaging by you, alteration, accident, electrical current fluctuations, failure to follow operating, maintenance or environmental instructions prescribed in Canon’s instruction manual, or service performed by other than a Canon repair facility or an ASF.
- (b) Use of parts or supplies (other than those sold by Canon) that cause damage to the product or cause abnormally frequent service calls or service problems.
- (c) If the product has had its serial number or dating altered or removed.

NO IMPLIED WARRANTY, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, APPLIES TO THE PRODUCT AFTER THE APPLICABLE PERIOD OF THE EXPRESS LIMITED WARRANTY STATED ABOVE, AND NO OTHER EXPRESS WARRANTY OR GUARANTY, EXCEPT AS MENTIONED ABOVE, GIVEN BY ANY PERSON OR ENTITY WITH RESPECT TO THE PRODUCT SHALL BIND CANON. (SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.) CANON SHALL NOT BE LIABLE FOR LOSS OF REVENUES OR PROFITS, INCONVENIENCE, EXPENSE FOR SUBSTITUTE EQUIPMENT OR SERVICE, STORAGE CHARGES, LOSS OR CORRUPTION OF DATA, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE OR MISUSE OF, OR INABILITY TO USE THE PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF CANON HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT SHALL RECOVERY OF ANY KIND AGAINST CANON BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY CANON WHICH CAUSED THE ALLEGED DAMAGE.

WITHOUT LIMITING THE FOREGOING, YOU ASSUME ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO YOU AND YOUR PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF USE OR MISUSE OF, OR INABILITY TO USE THE PRODUCT NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF CANON. (SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU.) THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THE PRODUCT, OR THE PERSON FOR WHOM IT WAS PURCHASED AS A GIFT, AND STATES YOUR EXCLUSIVE REMEDY.

Canon offers a full range of customer technical support* options:

- For e-mail technical support, the latest driver downloads and answers to frequently asked questions (www.canontechsupport.com)
- 24-hour, 7-day-a-week, automated support for troubleshooting issues on most current products (1-800-423-2366)
- 24-hour, Fax-On-Demand System for product specifications and technical information (1-800-526-4345)
- Free technical support Monday—Saturday (excluding holidays) for products still under warranty** (1-757-413-2848)
- Technical support 7 days a week (excluding holidays) for products no longer under warranty, at \$9.99 per incident (1-757-413-2848)

If the problem can't be corrected by using one of the above technical support options, you will be asked to follow the applicable procedures for warranty service. **Note that a dated proof of purchase (bill of sale) is required to verify eligibility at the time of service. This requirement will be satisfied by providing a copy of your dated bill of sale. You will also need to supply the product serial number.**

Carry-In/Mail-In

Carry-In/Mail-In is a service program by which your defective product is repaired by an ASF. The name and telephone number of the ASF(s) nearest to your location may be obtained from our Web site at: www.canontechsupport.com, or by calling the Canon Customer Care Center at 1-800-423-2366. If shipping is involved, it is your responsibility to properly package and send your defective product, together with your dated proof of purchase, a complete explanation of the problem and a return address, to the ASF at your expense. **Do not include any other items with your product.** The repair(s) covered by this limited warranty will be made and the product will be returned to you without charge by the ASF. Repairs not covered under this limited warranty will be charged to you at such costs as each ASF may generally establish from time to time.

InstantExchange[†]

InstantExchange is a warranty program that expedites, usually by the next business day,^{††} the exchange of a defective product with a refurbished product. The refurbished product you receive will be covered by the balance of the period remaining on your original limited warranty. **Note that by using this service you will keep the replacement product that is sent to you, and your originally purchased product shall become the property of Canon.** InstantExchange warranty program service is available only during the express limited-warranty period for your product and only in the continental United States, Alaska and Hawaii during such period.

If the Canon Customer Care Center representative cannot correct the problem with your product over the telephone, and you elect InstantExchange warranty program service, the representative will issue you a reference number upon verification of warranty eligibility. You will be asked for information pertaining to your defective product and for a ship-to location for the replacement product (street address only). You must also provide a major credit card number that will be pre-authorized by Canon in an amount up to the cost of a new product at the time you elect InstantExchange warranty program service. **Your credit card number will be charged in an amount up to the cost of a new product** (i) if you do not return your defective product to a Canon repair facility by the date specified by Canon and in the manner described below; (ii) if the defect(s) in the product is/are not covered by this limited warranty; or (iii) if the warranty period on the product has expired or has not been sufficiently established by your supplying the appropriate documentation.

The Canon repair facility will ship out the replacement product via overnight courier, prepaid by Canon. After receipt of the replacement product (with instructions and a pre-paid return waybill), follow the instructions to ship the defective product to a Canon repair facility. You must return the defective product in the shipping carton in which the replacement product was packed (be sure to retain your ink cartridges and tanks), and you must include the reference number, **a copy of your dated proof of purchase** (bill of sale) and a complete explanation of the problem. **Do not include any other items in the return shipping container.**

This limited warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

* Support program specifics are subject to change without notice.

** Refer to the individual product information for warranty details.

† InstantExchange warranty program service is subject to availability of refurbished replacement units.

†† 9 a.m.–5 p.m. (local), Monday–Friday (excluding holidays). The Canon Customer Care Center must receive pertinent information by 3 p.m. (E.S.T.) to ensure next-business-day InstantExchange warranty program service (two-business-day InstantExchange warranty service for Alaska and Hawaii). Canon does not guarantee next-business-day service in the event of factors beyond Canon's reasonable control.

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